



## VIA ELECTRONIC MAIL

October 31, 2017

Mr. Alexander Wardle  
Virginia Department of Environmental Quality  
Northern Regional Office  
13901 Crown Court  
Woodbridge, Virginia, 22193

RE: Third Quarter 2017 CAP Monitoring Report  
Inactive Fairfax Facility # 26140  
9901 Georgetown Pike  
Great Falls, Fairfax County, Virginia  
PC# 2010-3028

Dear Mr. Wardle:

Kleinfelder, on behalf of Fairfax Petroleum Realty, LLC (Fairfax), is submitting this Corrective Action Plan (CAP) Monitoring Report for the above-referenced facility (Site). This report outlines the activities completed during the Third Quarter 2017, analysis of the data and recommendations.

Fairfax Petroleum and Kleinfelder appreciate the continued guidance of the DEQ in the successful completion of this project. Please feel free to contact us at (410) 850-0404 should you have questions.

Sincerely,

**KLEINFELDER**

A handwritten signature in blue ink, appearing to read "Paxton Wertz".

Paxton Wertz  
Geologist

A handwritten signature in blue ink, appearing to read "Mark C. Steele".

Mark C. Steele  
Senior Program Manager

Attachment

cc: Mr. Marshall Yacoe – Fairfax Petroleum Realty, LLC



**CAP MONITORING REPORT – THIRD QUARTER 2017**  
**INACTIVE FAIRFAX FACILITY # 26140**  
**9901 GEORGETOWN PIKE**  
**GREAT FALLS, FAIRFAX COUNTY, VIRGINIA**

## **REGULATORY INFORMATION**

Regulatory Agency:	Virginia Department of Environmental Quality (DEQ)
Agency Contact:	Mr. Alexander Wardle
Pollution Complaint No.:	2010-3028
Current Case Status:	Corrective Action Plan (CAP) Implementation
Reporting Period:	July 1 through September 30, 2017
Last Report:	CAP Monitoring Report (CMR), July 28, 2017

## **GENERAL SITE INFORMATION**

Fairfax Petroleum Realty Contact:	Mr. Marshall Yacoe
Consultant Contact:	Mr. Mark C. Steele
Facility Status:	The property has been redeveloped into a retail bank branch. The former station structures were removed in March 2016. The underground storage tank (UST) system was removed in August 2012.
Area Property Use:	See Local Area Map ( <b>Figure 1</b> )
Site Well Network:	MW-1 through MW-3, MW-5, MW-6S, MW-6D, MW-7, MW-9 through MW-12D, MW-15 through MW-20D, MW-21I, MW-21S, MW-22, MW-23D, MW-24, MW-25D, MW-26D, W-1 through W-7, PW-1, and RW-1 ( <b>Figure 2</b> and <b>Table 1</b> )
Site Geology:	Schist saprolite grading to competent schist bedrock
Groundwater Flow Directions:	Southeast

## ACTIVITIES COMPLETED THIS PERIOD

### Monitoring, Bedrock, and CMT Well Gauging and Sampling

*August 28 through September 1, 2017*

Groundwater gauging and sampling was conducted on the Site monitoring well network, including open bedrock wells and the CMT well during the Third Quarter 2017. Groundwater gauging was conducted during the sampling event and as an independent activity to monitor groundwater elevations. The gauging data used to generate potentiometric surface maps is included on **Table 2** and depicted on **Figures 3 and 4**. With the exception of the CMT well, the sampled monitoring wells were purged using the low-flow parameter stabilization sampling methodology with a submersible electric pump and YSI multi-parameter water quality meter. Groundwater samples were submitted under chain of custody protocol to Lancaster Laboratories for analysis of full list volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), ethyl tertiary butyl ether (ETBE), and di-isopropyl ether (DIPE) using EPA Method 8260B. The wells on the Great Falls Shopping Center property (MW-22 and MW-27S/I) were analyzed for BTEX and fuel oxygenates in accordance with the terms of access.

Summaries of groundwater analytical results are presented in **Table 3** and are included on **Figures 3 and 4**. The Lancaster Laboratories Analysis Report for the groundwater sampling event are included as **Appendix A**. A summary of the gauging and sampling conducted during the August and September 2017 groundwater monitoring event is provided below.

Wells Gauged and Sampled:	MW-1R, MW-5R, MW-6S/D, MW-9, MW-10, MW-11, MW-12D, MW-15, MW-16D, MW-17D, MW-18D, MW-19D, MW-22, MW-23D, MW-24, MW-25D(90), MW-26D, MW-27S/I,SVE-2, PW-1(65), and RW-1
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Wells Gauged Only: MW-2, MW-3, MW-7, MW-20D(73-83), MW-20D (90-100), MW-20D(132-142), MW-21S/I, W-1 through W-7, and GFSCMW-3

Minimum/Maximum Depth to Water: 3.62 feet (MW-26D) / 48.84 feet (MW-19D)  
Shallow Groundwater Flow Direction: Southeast  
Shallow Hydraulic Gradient: 0.017 ft/ft between MW-5R and MW-22  
Deep Groundwater Flow Direction: Radial towards RW-1; Regionally Southeast/South  
Deep Hydraulic Gradient: 0.040 ft/ft between MW-20D(73-83) and RW-1

Groundwater gauging and sampling was conducted August 28, August 29, and September 1, 2017. Groundwater samples were collected from on and off-site monitoring wells in accordance with the monitoring schedule presented in the October 2, 2014 CAP Addendum (CAPA) as modified by the DEQ and communicated in the March 2, 2015 CAPA Approval letter, with the exception of the off-site monitoring wells located at 9289 Georgetown Pike due to the reopening of PC# 2003-3230 associated with the former Shell station. Groundwater monitoring and analytical data for the shallow and deep monitoring wells is summarized in **Table 3**.

### THIRD QUARTER 2017 REMEDIAL ACTIVITIES

At the direction of the DEQ, the remediation system was restarted on May 17, 2017 and operated during the Third Quarter 2017. Groundwater recovery system operations and maintenance (O&M) activities were completed during the quarter. Typical groundwater recovery system O&M activities include system performance and permit-required sample collection, maintaining a record of system performance data, equipment inspection and preventative maintenance, and exchanging consumable materials, such as bag filters and filter media, as necessary. A summary of system performance is included below.

## Groundwater Recovery System

Percent Run Time Second Quarter 2017:	88% (June 21, 2017 through September 18, 2017)
Technique:	Groundwater is extracted from one extraction well (RW-1) via an electric submersible pump.
Permits:	VPDES Permit # VAG830477
Discharge Monitoring Frequency:	Twice Monthly
Extraction Wells Open:	RW-1 (June 21, 2017 to September 18, 2017)
Average Flow Rate:	4.19 gpm (total)
Estimated MTBE Mass Removal:	Reporting Period (June 21, 2017 through September 18, 2017): 4.83 pounds. Since system start-up (August 28, 2014 through September 21, 2017): 341.76 pounds.

Remediation system groundwater monitoring, performance data, and system operation and maintenance visits are summarized in **Table 4**. Two groundwater recovery system effluent samples were collected for laboratory analysis in the reporting period (**Appendix B**). In accordance with the Virginia Pollution Discharge Elimination System (VPDES) permit samples were analyzed for BTEX and MTBE twice monthly, as well as chlorinated VOCs once monthly. Influent MTBE concentration rates following the system re-start have been, on average, approximately 30 percent lower than those at the end of system operations in August 2016.

## MTBE DISTRIBUTION

The groundwater recovery and treatment system was not operated during the period of August 19, 2106 to May 16, 2017 due to TD Bank construction and disruption of the electrical service. Analysis of the MTBE data collected to date indicates that the remedial system performed as designed, and has effectively lowered concentrations of MTBE in

groundwater to values which are protective of area receptors and meet the remediation endpoints. Analysis of the monitored natural attenuation (MNA) data collected to date, and previously presented, indicates that the biotic (aerobic respiration, sulfate reduction, and iron reduction) and abiotic degradation of MTBE is continuing both on and off-site.

No significant rebound in MTBE concentrations was noted in on or off-site monitoring wells prior to the resumption of groundwater recovery operations on May 17, 2017. Rebound was not observed in the sentry well MW-23D, which located between the only identified potential receptors within one-quarter mile of the Site and the Site. The concentration of MTBE in groundwater samples collected from the sentry well MW-23D decreased during the suspension of active remediation from 70 micrograms per liter ( $\mu\text{g}/\text{L}$ ) to 47  $\mu\text{g}/\text{L}$ , and remained significantly below the endpoint of 343  $\mu\text{g}/\text{L}$  mandated by the DEQ in the March 2, 2015 CAPA Approval letter; MTBE was not detected above the laboratory detection limit in the most recent groundwater sampling results of MW-23D. Select intervals in MW-17D showed increases in MTBE concentrations while the groundwater recovery system was not operating, but as described in the CAPA and subsequent reports, these intervals contribute much less to the mass flux of MTBE at the Site due to hydraulic conductivity being low relative to other intervals (i.e. the overburden). The MTBE concentrations in groundwater samples collected from MW-17D have historically demonstrated greater variability between sampling events than other traditionally constructed monitoring wells. Packer testing conducted in 2013 demonstrated that average hydraulic conductivity values of borehole intervals shallower than approximately 100 feet below grade is significantly greater than those deeper than 100 feet. The concentrations in the deeper intervals (117, 129.75, and 147) have declined as anticipated, through dilution of impacted groundwater initially emplaced during the installation of the multichannel casing (CMT).

Following analysis of the Third Quarter 2017 groundwater sampling results, Kleinfelder, on behalf of Fairfax Petroleum, proposes to discontinue groundwater recovery. As stated above, an analysis of the groundwater sampling data indicates that no significant rebound in MTBE concentrations has occurred in on or off-site monitoring wells with the exception of two 6-inch CMT intervals within MW-17D. The average concentration of MTBE at MW-17D has continued to decrease, from 30,431  $\mu\text{g}/\text{L}$  in June 2014, through 22,775  $\mu\text{g}/\text{L}$  in June 2015, through 8,352  $\mu\text{g}/\text{L}$  in April 2016, through 3,833  $\mu\text{g}/\text{L}$  in June 2017, to 1,901  $\mu\text{g}/\text{L}$  in August 2017. Notable observations of the MTBE distribution on-site and on the adjacent Great Falls Crossroads property are presented below:

- An overall statistically significant decreasing trend (S statistic of -82) is observed in the sentry well MW-23D. The June and August 2017 MTBE results (2 µg/L and not detected above the laboratory detection limit, respectively) are significantly lower than the December 2016 and March 2017 sampling results (67 µg/L and 47 µg/L, respectively) and remain considerably below the mandated remedial endpoint of 343 µg/L.
- As has been presented in previous reports, fate and transport models of MTBE distribution at the Site is protective of human health and the environment and does not warrant resumption of active remediation on-site.
- The September 2017 MTBE results for MW-1R, which had historically among the highest MTBE concentrations on-site greater than 100,000 µg/L, not detected above laboratory detection limits.
- The MTBE results for MW-15 remain below 20 µg/L since system shut down in August 2016.
- The MTBE results for RW-1 decreased from 1,900 µg/L in August 2016 (i.e. at system shut down) to 1,700 µg/L in June 2017, and has further decreased to 900 µg/L in August 2017.
- The MTBE results for MW-16D remain below 20 µg/L since system shut down in August 2016, and were not detected above the laboratory detection limits during the September 2017 groundwater sampling.

## **RECOMMENDATION**

Based on the analysis of MTBE distribution above, Kleinfelder, on behalf of Fairfax, recommends cessation of active remediation and implementation of post remediation monitoring.

## **ACTIVITIES PLANNED FOR NEXT PERIOD (FOURTH QUARTER 2017)**

Activities planned for the Fourth Quarter 2017 include continued operation and maintenance of the groundwater recovery system pending DEQ approval of post remediation monitoring and one groundwater sampling event.

## LIMITATIONS

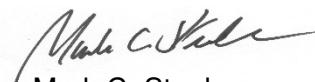
This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

Sincerely,

**KLEINFELDER**



Paxton D. Wertz  
Geologist



Mark C. Steele  
Senior Program Manager

## FIGURES

- 1 Local Area Map
- 2 Site Plan
- 3 Hydrocarbon Distribution / Groundwater Contour Map – Shallow Wells  
(August 28, August 29, and September 1, 2017)
- 4 Hydrocarbon Distribution / Groundwater Contour Map – Deep Wells  
(August 28, August 29, and September 1, 2017)

## TABLES

- 1 Monitoring Well Construction Data
- 2 Monitoring Well Gauging Data Summary (August 28, 2017)
- 3 Groundwater Monitoring & Analytical Data
- 4 Groundwater Recovery System Monitoring and Performance

## APPENDICES

- A Lancaster Laboratories Analysis Reports – Groundwater (August 28, August 29, and September 1, 2017)
- B Lancaster Laboratories Analysis Reports – Groundwater Recovery System Samples

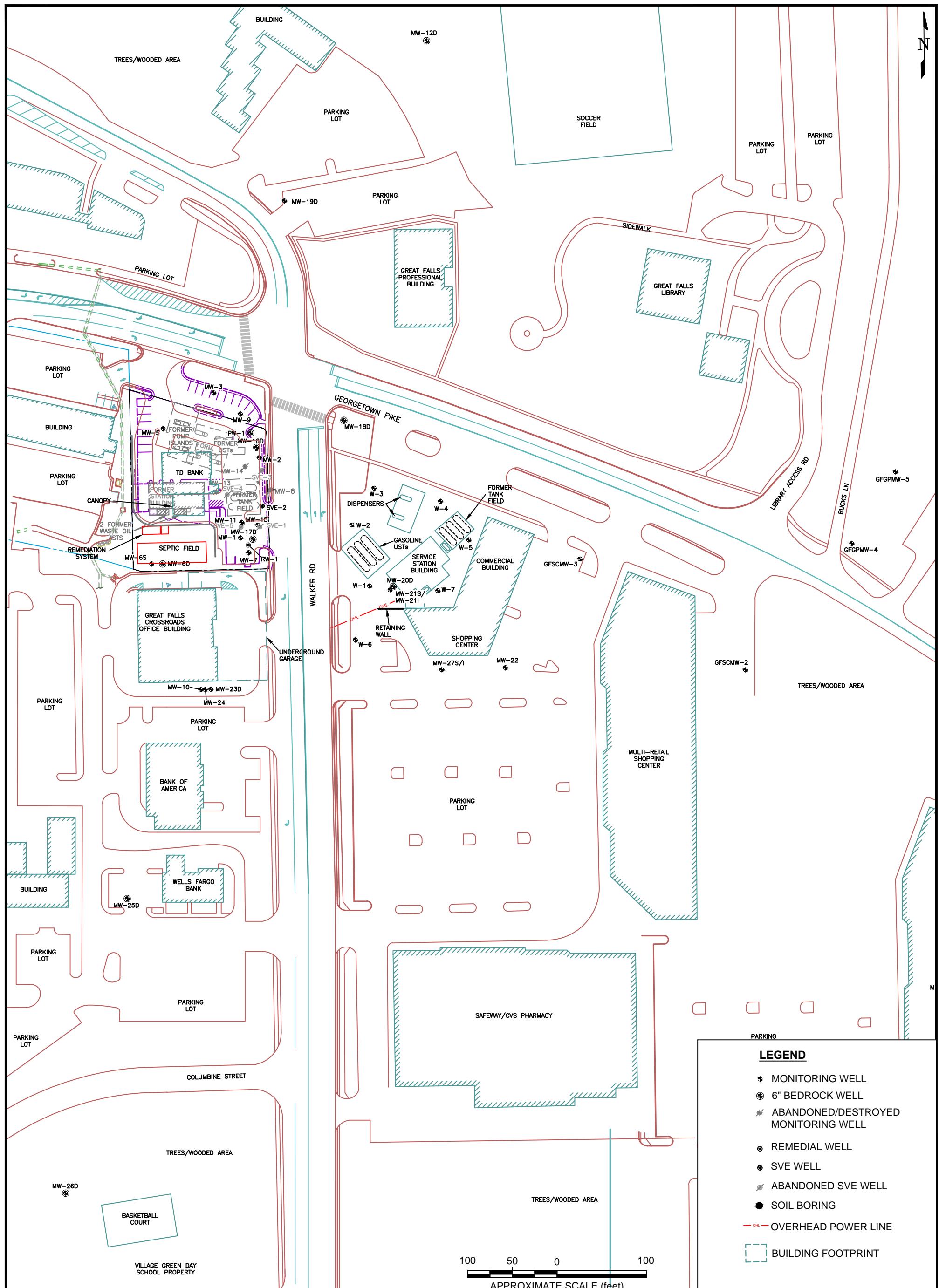
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## **FIGURES**



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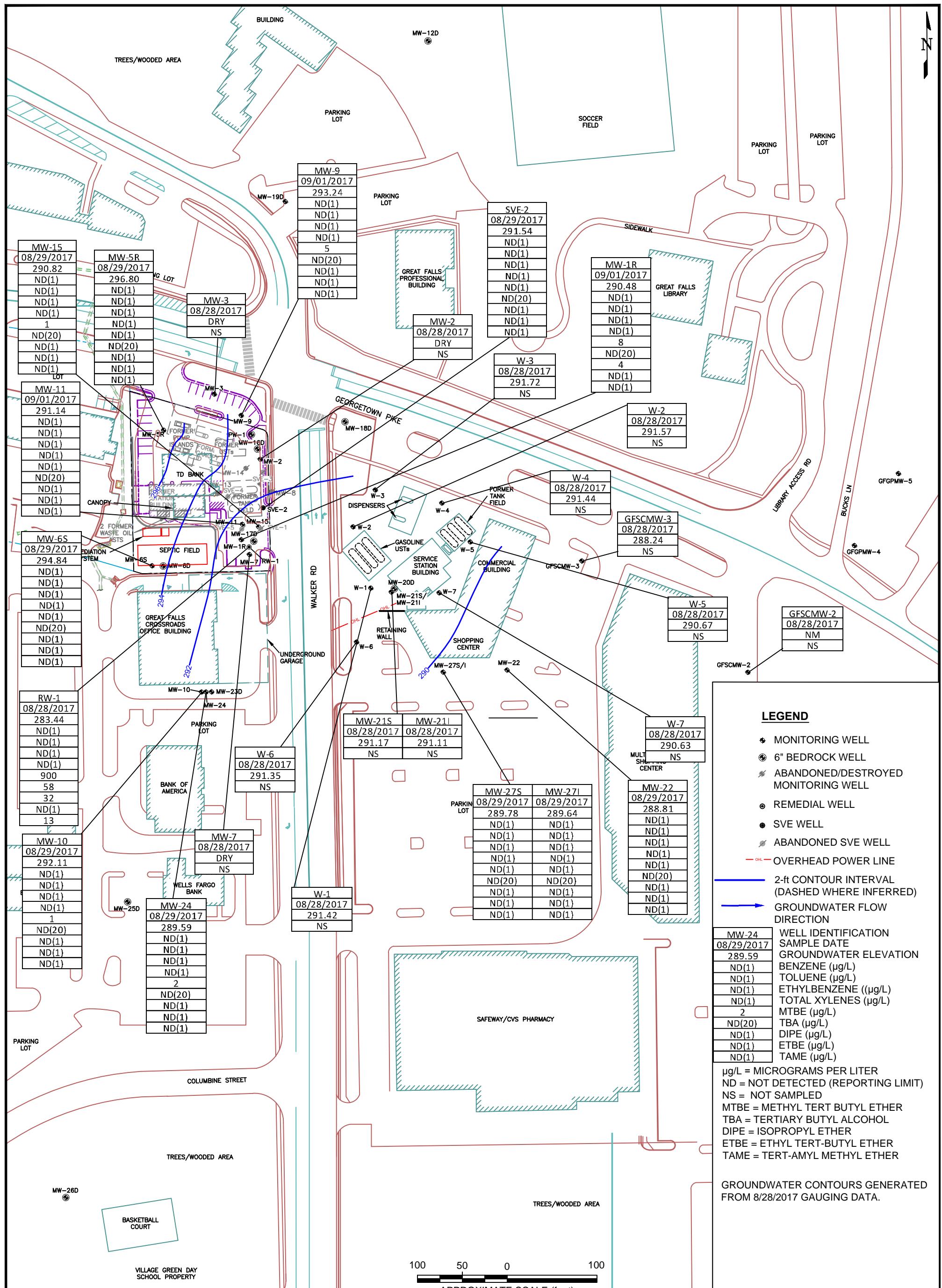
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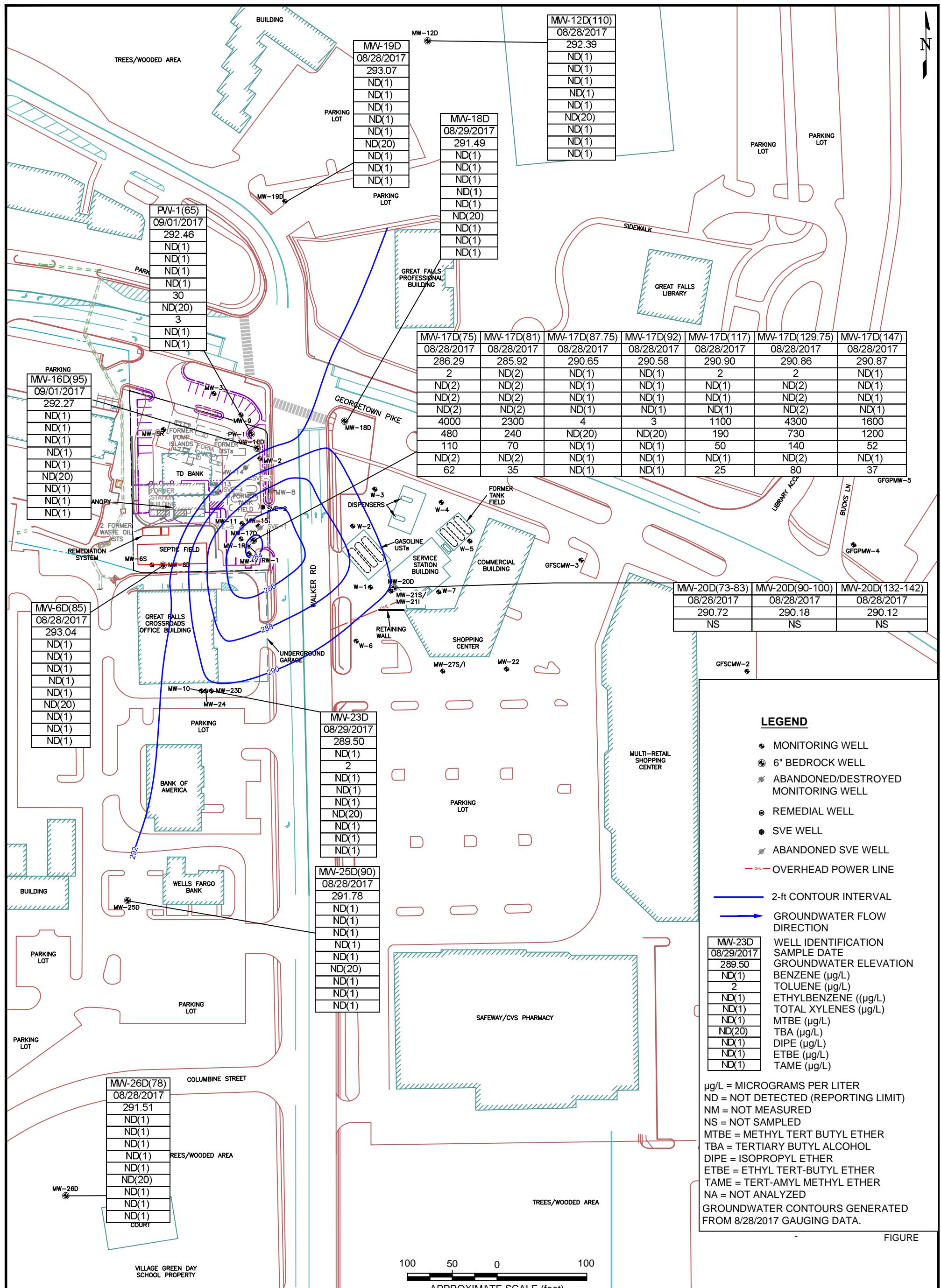
## SITE PLAN

INACTIVE FAIRFAX FACILITY #26140  
9901 GEORGETOWN PIKE  
GREAT FALLS, VIRGINIA

FIGURE

2





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DEEP MONITORING WELL  
GROUNDWATER CONTOUR /  
HYDROCARBON DISTRIBUTION MAP  
AUGUST 28 THROUGH SEPTEMBER 1, 2017

INACTIVE FAIRFAX FACILITY #26140  
9901 GEORGETOWN PIKE  
GREAT FALLS, VIRGINIA

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## TABLES

**TABLE 1**  
**Monitoring Well Construction Details**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia

Monitoring Well	Installation Date	Well Type	Well Diameter (inch)	Top of Casing Elevation (feet)	Riser / Casing Length (feet)	Screen Length / Open Interval (feet)	Total Borehole Depth (feet below grade)	Screen / Open Interval (feet below grade)	Comments
MW-1	7/20/2009	Monitoring	2	328.99	20	17	37	20-37	
MW-1R	2/14/2017	Monitoring	2	329.16	30	15	45	30-45	Replacement well for MW-1
MW-2	7/21/2009	Monitoring	2	332.05	25	15	42	25-40	
MW-3	7/22/2009	Monitoring	2	335.66	26.5	10	37	26.5-36.5	Ground surface elevation raised approximately 1.5 feet during TD Bank development
MW-5	7/22/2009	Monitoring	2	332.35	30	10	42	30-40	
MW-5R	2/14/2017	Monitoring	2	332.24	25	15	40	25-40	Replacement well for MW-5
MW-6S	9/11/2009	Monitoring	4	321.85	20	15	35	20-35	
MW-6D	9/11/2009	Deep Monitoring	6	323.09	70	50	120	70-120	Open borehole after 70 feet
MW-7	10/16/2009	Monitoring	2	328.75	15	25	40	15-40	
MW-8	10/8/2009	Monitoring	2	330.54	25	20	45	25-45	Abandoned 9/19/2013
MW-9	10/9/2009	Monitoring	2	333.88	25	20	45	25-45	
MW-10	10/12/2009	Monitoring	2	324.17	10	30	40	10-40	
MW-11	10/14/2009	Monitoring	2	329.73	10	30	40	10-40	
MW-12D	1/11/2011	Deep Monitoring	6	326.43	100	60	160	100-160	Open borehole after 100 feet
MW-13	8/18/2011	Monitoring	4	332.00	25	20	45	25-45	Abandoned 10/19/2016
MW-14	8/18/2011	Monitoring	4	331.81	25	20	45	25-45	Destroyed during TD Bank construction
MW-15	8/18/2011	Monitoring	4	329.11	25	20	45	25-45	
MW-16D	11/22/2011	Monitoring	6	332.27	85	25	110	85-110	Open borehole after 85 feet.

**TABLE 1**  
**Monitoring Well Construction Details**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia

Monitoring Well	Installation Date	Well Type	Well Diameter (inch)	Top of Casing Elevation (feet)	Riser / Casing Length (feet)	Screen Length / Open Interval (feet)	Total Borehole Depth (feet below grade)	Screen / Open Interval (feet below grade)	Comments
MW-17D	4/9/2013	Deep Monitoring	6	328.99	68	82	150	68-150	Converted to CMT on 4/9/2014.
MW-17D (CMT-1)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	71	6	150	71-77	The Continuous Multichannel Tubing (CMT) screens are approximately six inches in length. The Screen Length / Open Interval and Screen / Open Interval columns refer to the sand pack installed in the borehole annulus surrounding the CMT port.
MW-17D (CMT-2)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	79	4	150	79-83	
MW-17D (CMT-3)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	86	4	150	86-90	
MW-17D (CMT-4)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	91	2	150	91-93	
MW-17D (CMT-5)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	114	6	150	114-120	
MW-17D (CMT-6)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	126	6	150	126-132	
MW-17D (CMT-7)	4/9/2014	Discrete Interval Monitoring	0.38	328.99	146	4	150	146-150	
MW-18D	11/22/2011	Deep Monitoring	6	334.88	97	58	136	92-150	Open borehole after 92 feet. Borehole blocked by rock at 101 feet during testing on 4/30/13.
MW-19D	3/8/2014	Deep Monitoring	2	341.91	80	20	100	80-100	
MW-20D	4/7/2014	Deep Monitoring	6	329.80	70	72	142	70-142	Open borehole after 70 feet.
MW-20D	4/7/2014	Deep Monitoring	1	329.57	73	73	83	70-142	MW-20D was converted to three discrete monitoring intervals on 8/20/2014
MW-20D	4/7/2014	Deep Monitoring	1	329.58	90	90	100	70-142	
MW-20D	4/7/2014	Deep Monitoring	1	329.56	132	132	142	70-142	
MW-21I	4/1/2014	Monitoring	2	329.71	56	10	66	56-66	Part of a nested well pair including MW-21S
MW-21S	4/1/2014	Monitoring	2	329.69	26	20	46	26-46	Part of a nested well pair including MW-21I

**TABLE 1**  
**Monitoring Well Construction Details**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia

Monitoring Well	Installation Date	Well Type	Well Diameter (inch)	Top of Casing Elevation (feet)	Riser / Casing Length (feet)	Screen Length / Open Interval (feet)	Total Borehole Depth (feet below grade)	Screen / Open Interval (feet below grade)	Comments
MW-22	4/3/2014	Monitoring	2	320.97	20	20	40	20-40	
MW-23D	5/1/2014	Deep Monitoring	2	324.81	90	10	100	90-100	
MW-24	4/3/2014	Monitoring	2	324.49	50	10	60	50-60	
MW-25D	8/17/2014	Deep Monitoring	6	317.18	65	36	101	65-101	Open borehole after 65 feet.
MW-26D	8/21/2014	Deep Monitoring	6	295.13	57	47	104	57-104	Open borehole after 57 feet.
MW-27I	8/21/2014	Monitoring	2	323.35	55	10	65	55-65	Part of a nested well pair including MW-27S
MW-27S	8/21/2014	Monitoring	2	323.40	20	20	40	20-40	Part of a nested well pair including MW-27I
PW-1	Unknown	Deep Monitoring	6	333.25	55	20	75	55 - 75	Former potable well. Partially abandoned in November 2011. Original well depth was approximately 116 feet.
RW-1	3/13/2014	Recovery	6	328.52	21	70	91	21-91	Total drilled depth was 100 feet; borehole collapsed to 91 feet during the installation of screen and casing.
SVE-1	2/17/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016
SVE-2	2/18/2014	Soil Vapor Extraction	4	331.12	25	20	45	25-45	Designed to serve as a SVE well and monitoring well to replace the abandoned MW-8
SVE-3	2/19/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016
SVE-4	2/19/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016
SVE-5	2/18/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016

**Notes:**

NSVD - Not Surveyed to Vertical Datum  
CMT - Continuous Multichannel Tubing

**TABLE 2**

**Monitoring Well Gauging Data Summary  
Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia**

August 28, 2017

Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Comments
MW-1R	08/28/2017	329.16	38.14	ND	ND	291.02	
MW-2	08/28/2017	332.05	DRY	ND	ND	DRY	
MW-3	08/28/2017	335.66	DRY	ND	ND	DRY	
MW-5R	08/28/2017	332.24	35.42	ND	ND	296.82	
MW-6S	08/28/2017	321.85	27.03	ND	ND	294.82	
MW-6D	08/28/2017	323.09	30.05	ND	ND	293.04	
MW-7	08/28/2017	328.75	DRY	ND	ND	DRY	
MW-9	08/28/2017	333.88	40.50	ND	ND	293.38	
MW-10	08/28/2017	324.17	33.00	ND	ND	291.17	
MW-11	08/28/2017	329.73	38.24	ND	ND	291.49	
MW-12D	08/28/2017	326.43	34.04	ND	ND	292.39	
MW-15	08/28/2017	329.11	38.20	ND	ND	290.91	
MW-16D	08/28/2017	332.27	39.93	ND	ND	292.34	
MW-17D(75)	08/28/2017	328.99	42.70	ND	ND	286.29	
MW-17D(81)	08/28/2017	328.99	43.07	ND	ND	285.92	
MW-17D(87.75)	08/28/2017	328.99	38.34	ND	ND	290.65	
MW-17D(92)	08/28/2017	328.99	38.41	ND	ND	290.58	
MW-17D(117)	08/28/2017	328.99	38.09	ND	ND	290.90	
MW-17D(129.75)	08/28/2017	328.99	38.13	ND	ND	290.86	
MW-17D(147)	08/28/2017	328.99	38.12	ND	ND	290.87	
MW-18D	08/28/2017	334.88	43.28	ND	ND	291.60	
MW-19D	08/28/2017	341.91	48.84	ND	ND	293.07	
MW-20D(73-83)	08/28/2017	329.57	38.85	ND	ND	290.72	
MW-20D(90-100)	08/28/2017	329.58	39.40	ND	ND	290.18	
MW-20D(132-142)	08/28/2017	329.56	39.44	ND	ND	290.12	
MW-21S	08/28/2017	329.69	38.52	ND	ND	291.17	
MW-21I	08/28/2017	329.71	38.60	ND	ND	291.11	
MW-22	08/28/2017	320.97	32.22	ND	ND	288.75	
MW-23D	08/28/2017	324.81	34.45	ND	ND	290.36	
MW-24	08/28/2017	324.49	33.78	ND	ND	290.71	
MW-25D	08/28/2017	317.18	25.40	ND	ND	291.78	
MW-26D	08/28/2017	295.13	3.62	ND	ND	291.51	
MW-27S	08/28/2017	323.40	33.69	ND	ND	289.71	

**TABLE 2**

**Monitoring Well Gauging Data Summary  
Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia**

**August 28, 2017**

Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Comments
MW-27I	08/28/2017	323.35	33.68	ND	ND	289.67	
PW-1	08/28/2017	333.25	40.69	ND	ND	292.56	
RW-1	08/28/2017	328.52	45.08	ND	ND	283.44	
W-1	08/28/2017	328.53	37.11	ND	ND	291.42	
W-2	08/28/2017	329.47	37.90	ND	ND	291.57	
W-3	08/28/2017	330.14	38.42	ND	ND	291.72	
W-4	08/28/2017	327.67	36.23	ND	ND	291.44	
W-5	08/28/2017	327.81	37.14	ND	ND	290.67	
W-6	08/28/2017	325.21	33.86	ND	ND	291.35	
W-7	08/28/2017	329.77	39.14	ND	ND	290.63	
SVE-2	08/28/2017	331.12	39.54	ND	ND	291.58	
GFSCMW-2	08/28/2017	316.79	NM	ND	ND	NM	
GFSCMW-3	08/28/2017	319.78	31.54	ND	ND	288.42	

**Notes:**

GW - Groundwater

ND - Not detected

NM - Not monitored

NSVD - Not surveyed to vertical datum

**Table 3**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-1R	6/22/2010	328.99	28.65	ND	ND	300.34	ND(5)	ND(7)	ND(8)	ND(8)	13000	NA	NA	NA	NA	
	9/30/2010	328.99	31.11	ND	ND	297.88	ND(50)	ND(70)	ND(80)	110	240000	NA	NA	NA	NA	
	12/16/2010	328.99	30.93	ND	ND	298.06	ND(100)	ND(140)	ND(160)	ND(160)	220000	NA	NA	NA	NA	
	2/17/2011	328.99	31.46	ND	ND	297.53	ND(250)	ND(350)	ND(400)	ND(400)	190000	NA	NA	NA	NA	
	5/24/2011	328.99	30.24	ND	ND	298.75	ND(50)	ND(70)	ND(80)	ND(80)	140000	NA	NA	NA	NA	
	9/2/2011	328.99	32.92	ND	ND	296.07	ND(50)	ND(70)	ND(80)	ND(80)	160000	NA	NA	NA	NA	
	12/29/2011	328.99	30.99	ND	ND	298.00	ND(50)	ND(70)	ND(80)	ND(80)	160000	NA	NA	NA	NA	
	6/1/2012	328.99	31.47	ND	ND	297.52	ND(50)	ND(70)	ND(80)	ND(80)	140000	NA	NA	NA	NA	
	2/25/2013	328.99	32.84	ND	ND	296.15	ND(250)	ND(250)	ND(250)	ND(250)	120000	15000	3700	ND(250)	1700	
	6/6/2013	328.99	32.14	ND	ND	296.85	ND(50)	ND(70)	ND(80)	ND(80)	150000	NA	NA	NA	NA	
	12/19/2013	328.99	33.06	ND	ND	295.93	ND(250)	ND(250)	ND(250)	ND(250)	84000	6900	2200	ND(250)	1100	
	3/25/2014	328.99	31.04	ND	ND	297.95	ND(500)	ND(500)	ND(500)	ND(500)	71000	ND(8000)	1200	ND(500)	850	
	6/20/2014	328.99	29.43	ND	ND	299.56	ND(20)	ND(20)	ND(20)	ND(20)	20000	ND(400)	490	ND(20)	210	
	9/8/2014	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/3/2016	328.99	32.45	ND	ND	296.54	ND(1)	ND(1)	ND(1)	ND(1)	48	ND(20)	12	ND(1)	ND(1)	
	8/16/2016	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	329.16	34.69	ND	ND	294.47	ND(1)	ND(1)	ND(1)	ND(1)	40	ND(20)	18	ND(1)	ND(1)	
	6/22/2017	329.16	37.01	ND	ND	292.15	ND(1)	ND(1)	ND(1)	ND(1)	19	ND(20)	9	ND(1)	ND(1)	
	9/1/2017	329.16	38.68	ND	ND	290.48	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	4	ND(1)	ND(1)	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-28	-6	-19	0	-15	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-2	7/1/2010	332.05	31.63	ND	ND	300.42	ND(100)	91.3	ND(100)	ND(100)	52400	NA	NA	NA	NA	
	9/30/2010	332.05	32.96	ND	ND	299.09	ND(25)	ND(35)	ND(40)	ND(40)	37000	NA	NA	NA	NA	
	12/16/2010	332.05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	2/17/2011	332.05	34.15	ND	ND	297.90	ND(100)	ND(140)	ND(160)	ND(160)	140000	NA	NA	NA	NA	
	5/24/2011	332.05	32.92	ND	ND	299.13	ND(25)	ND(35)	ND(40)	ND(40)	54000	NA	NA	NA	NA	
	9/2/2011	332.05	35.53	ND	ND	296.52	ND(50)	ND(70)	ND(80)	ND(80)	160000	NA	NA	NA	NA	
	12/29/2011	332.05	33.64	ND	ND	298.41	ND(25)	ND(35)	ND(40)	ND(40)	49000	NA	NA	NA	NA	
	6/1/2012	332.05	34.16	ND	ND	297.89	ND(50)	ND(70)	ND(80)	ND(80)	100000	NA	NA	NA	NA	
	2/25/2013	332.05	35.47	ND	ND	296.58	ND(250)	ND(250)	ND(250)	ND(250)	71000	4600	1900	ND(250)	1100	
	6/6/2013	332.05	34.91	ND	ND	297.14	ND(3)	ND(4)	ND(4)	ND(4)	3500	NA	NA	NA	NA	
	12/19/2013	332.05	35.50	ND	ND	296.55	ND(130)	ND(130)	ND(130)	ND(130)	19000	6800	710	ND(130)	280	
	3/25/2014	332.05	33.30	ND	ND	298.75	ND(50)	ND(50)	ND(50)	ND(50)	7500	2500	310	ND(50)	110	
	6/20/2014	332.05	31.27	ND	ND	300.78	ND(1)	ND(1)	ND(1)	ND(1)	450	ND(20)	29	ND(1)	7	
	9/10/2014	332.05	33.74	ND	ND	298.31	ND(1)	ND(1)	ND(1)	ND(1)	860	ND(20)	38	ND(1)	15	
	12/9/2014	332.05	40.02	ND	ND	292.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	3/12/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/3/2016	332.05	34.70	ND	ND	297.35	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	8/16/2016	332.05	37.09	ND	ND	294.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Volume to Sample
	12/13/2016	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	332.05	36.95	ND	ND	295.10	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	332.05	37.66	ND	ND	294.39	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/28/2017	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-19	-11	-16	0	-16	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-3	7/1/2010	333.98	32.39	ND	ND	301.59	ND(2)	ND(2)	ND(2)	ND(2)	1.9	NA	NA	NA	NA	
	9/30/2010	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/16/2010	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/17/2011	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/24/2011	333.98	33.63	ND	ND	300.35	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	9/2/2011	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/29/2011	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2012	333.98	34.56	ND	ND	299.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	2/25/2013	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/6/2013	333.98	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/18/2013	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2014	333.98	34.25	ND	ND	299.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	333.98	32.09	ND	ND	301.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	333.98	34.42	ND	ND	299.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/9/2014	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-5R	6/22/2010	332.35	29.40	ND	ND	302.95	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	9/30/2010	332.35	32.30	ND	ND	300.05	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA	
	12/16/2010	332.35	32.12	ND	ND	300.23	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	12	NA	NA	NA	NA	
	2/17/2011	332.35	32.31	ND	ND	300.04	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	5/24/2011	332.35	30.84	ND	ND	301.51	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9 J	NA	NA	NA	NA	
	9/2/2011	332.35	33.39	ND	ND	298.96	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9 J	NA	NA	NA	NA	
	12/29/2011	332.35	31.36	ND	ND	300.99	ND(0.5)	1 J	ND(0.8)	1 J	7	NA	NA	NA	NA	
	6/1/2012	332.35	31.93	ND	ND	300.42	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA	
	2/25/2013	332.35	33.28	ND	ND	299.07	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	332.35	32.55	ND	ND	299.80	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	12/18/2013	332.35	33.92	ND	ND	298.43	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	332.35	31.32	ND	ND	301.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	332.35	29.30	ND	ND	303.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2014	332.35	31.37	ND	ND	300.98	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	332.35	35.19	ND	ND	297.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	332.35	34.59	ND	ND	297.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	332.35	33.31	ND	ND	299.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	332.35	35.55	ND	ND	296.80	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	332.35	36.61	ND	ND	295.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	332.35	33.71	ND	ND	298.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	332.35	32.04	ND	ND	300.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	332.35	34.41	ND	ND	297.94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	332.24	34.10	ND	ND	298.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	332.24	34.01	ND	ND	298.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	332.24	35.44	ND	ND	296.80	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	-1	-3	0	0	0	0	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-6S	6/22/2010	321.85	20.22	ND	ND	301.63	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2	NA	NA	NA	NA	
	9/30/2010	321.85	23.00	ND	ND	298.85	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9	NA	NA	NA	NA	
	12/16/2010	321.85	22.82	ND	ND	299.03	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA	
	2/17/2011	321.85	23.02	ND	ND	298.83	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	5/24/2011	321.85	21.66	ND	ND	300.19	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	9/2/2011	321.85	24.04	ND	ND	297.81	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	12/29/2011	321.85	22.15	ND	ND	299.70	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	6/1/2012	321.85	22.72	ND	ND	299.13	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA	
	2/25/2013	321.85	24.03	ND	ND	297.82	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	
	6/6/2013	321.85	23.49	ND	ND	298.36	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/17/2013	321.85	24.63	ND	ND	297.22	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	321.85	22.19	ND	ND	299.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/19/2014	321.85	20.01	ND	ND	301.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/3/2014	321.85	22.41	ND	ND	299.44	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/9/2014	321.85	26.42	ND	ND	295.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/2015	321.85	25.91	ND	ND	295.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/4/2015	321.85	36.59	ND	ND	285.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/2/2015	321.85	27.01	ND	ND	294.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/2/2015	321.85	27.84	ND	ND	294.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/2016	321.85	25.18	ND	ND	296.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/2/2016	321.85	23.04	ND	ND	298.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/18/2016	321.85	25.64	ND	ND	296.21	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/13/2016	321.85	25.67	ND	ND	296.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/13/2017	321.85	25.28	ND	ND	296.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2017	321.85	25.48	ND	ND	296.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2017	321.85	27.01	ND	ND	294.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-6D(85)	6/22/2010	323.09	26.69	ND	ND	296.40	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA
	9/30/2010	323.09	26.51	ND	ND	296.58	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA
	12/16/2010	323.09	25.92	ND	ND	297.17	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	6	NA	NA	NA	NA
	2/17/2011	323.09	26.14	ND	ND	296.95	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(1) J	NA	NA	NA	NA
	5/24/2011	323.09	25.83	ND	ND	297.26	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA
	9/2/2011	323.09	27.45	ND	ND	295.64	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9 J	NA	NA	NA	NA
	12/22/2011	323.09	25.47	ND	ND	297.62	ND(0.5)	1 J	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA
	6/1/2012	323.09	25.95	ND	ND	297.14	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA
	2/25/2013	323.09	27.13	ND	ND	295.96	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)
	6/6/2013	323.09	26.66	ND	ND	296.43	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA
	6/18/2014	323.09	23.37	ND	ND	299.72	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)
	3/12/2015	323.09	28.85	ND	ND	294.24	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/4/2015	323.09	39.72	ND	ND	283.37	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/2/2015	323.09	30.33	ND	ND	292.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)
	12/2/2015	323.09	30.80	ND	ND	292.29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/2016	323.09	28.67	ND	ND	294.42	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/2/2016	323.09	26.21	ND	ND	296.88	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/18/2016	323.09	29.28	ND	ND	293.81	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)
	12/13/2016	323.09	28.68	ND	ND	294.41	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/13/2017	323.09	28.31	ND	ND	294.78	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2017	323.09	28.71	ND	ND	294.38	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/28/2017	323.09	30.05	ND	ND	293.04	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)
<b>Mann-Kendall Statistic</b>								0	-7	0	0	-12	0	0	0

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**  
 Inactive Fairfax Facility #26140  
 9901 Georgetown Pike  
 Great Falls, Virginia  
 June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-7	6/22/2010	327.96	28.00	ND	ND	299.96	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	87	NA	NA	NA	NA	
	9/30/2010	327.96	30.24	ND	ND	297.72	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/16/2010	327.96	30.15	ND	ND	297.81	2	ND(1)	ND(2)	ND(2)	2100	NA	NA	NA	NA	
	2/17/2011	327.96	30.75	ND	ND	297.21	ND(10)	ND(14)	ND(16)	ND(16)	9700	NA	NA	NA	NA	
	5/24/2011	327.96	29.56	ND	ND	298.40	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	130	NA	NA	NA	NA	
	9/2/2011	327.96	32.21	ND	ND	295.75	11 J	ND(14)	ND(16)	ND(16)	16000	NA	NA	NA	NA	
	12/29/2011	327.96	30.24	ND	ND	297.72	ND(1)	ND(1)	ND(2)	ND(2)	1600	NA	NA	NA	NA	
	6/1/2012	327.96	30.74	ND	ND	297.22	ND(5)	ND(7)	ND(8)	ND(8)	6700	NA	NA	NA	NA	
	2/25/2013	327.96	32.23	ND	ND	295.73	ND(250)	ND(250)	ND(250)	ND(250)	61000	14000	1700	ND(250)	940	
	6/6/2013	327.96	31.49	ND	ND	296.47	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	950	NA	NA	NA	NA	
	12/18/2013	327.96	32.79	ND	ND	295.17	ND(250)	ND(250)	ND(250)	ND(250)	140000	29000	3000	ND(250)	1600	
	3/28/2014	327.96	30.35	ND	ND	297.61	ND(1)	ND(1)	ND(1)	ND(1)	430	ND(20)	13	ND(1)	6	
	6/20/2014	327.96	28.19	ND	ND	299.77	ND(1)	ND(1)	ND(1)	ND(1)	72	35	9	ND(1)	ND(1)	
	9/8/2014	327.96	37.53	ND	ND	290.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/9/2014	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/12/2016	327.96	33.67	ND	ND	294.29	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	327.96	31.80	ND	ND	296.16	ND(1)	ND(1)	ND(1)	ND(1)	15	ND(20)	ND(1)	ND(1)	ND(1)	
	8/16/2016	327.96	34.45	ND	ND	293.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Volume to Sample
	12/14/2016	NSVD	34.81	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	328.75	34.53	ND	ND	294.22	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	328.75	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	328.75	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-12	-3	-9	0	-5	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-8	6/22/2010	330.54	30.91	ND	ND	299.63	ND(5)	ND(7)	ND(8)	ND(8)	15000	NA	NA	NA	NA	
	9/30/2010	330.54	32.97	ND	ND	297.57	11	ND(14)	ND(16)	ND(16)	44000	NA	NA	NA	NA	
	12/16/2010	330.54	32.85	ND	ND	297.69	ND(25)	ND(35)	ND(40)	ND(40)	49000	NA	NA	NA	NA	
	2/17/2011	330.54	33.62	ND	ND	296.92	ND(25)	ND(35)	ND(40)	ND(40)	41000	NA	NA	NA	NA	
	5/24/2011	330.54	32.44	ND	ND	298.10	ND(5)	ND(7)	ND(8)	ND(8)	8400	NA	NA	NA	NA	
	9/2/2011	330.54	35.18	ND	ND	295.36	ND(10)	ND(14)	ND(16)	ND(16)	15000	NA	NA	NA	NA	
	12/29/2011	330.54	33.23	ND	ND	297.31	ND(3)	ND(4)	ND(4)	ND(4)	1800	NA	NA	NA	NA	
	6/1/2012	330.54	33.73	ND	ND	296.81	3 J	ND(1)	ND(2)	4 J	1200	NA	NA	NA	NA	
	2/25/2013	330.54	35.27	ND	ND	295.27	ND(5)	ND(5)	ND(5)	ND(5)	180	280	220	ND(5)	ND(5)	
	6/6/2013	330.54	34.49	ND	ND	296.05	0.7 J	ND(0.7)	ND(0.8)	ND(0.8)	160	NA	NA	NA	NA	
9/19/2013		330.54	36.01	ND	ND	294.53	ND(5)	ND(5)	ND(5)	ND(5)	170	NA	NA	NA	NA	Abandoned (9/19/2013)
Mann-Kendall Statistic							1	0	0	4	-42	N/A	N/A	N/A	N/A	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
SVE-2	3/25/2014	329.69	31.32	ND	ND	298.37	ND(1)	ND(1)	ND(1)	ND(1)	600	76	44	ND(1)	11	Screened from 25-45'
	6/19/2014	329.69	27.45	ND	ND	302.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/10/2014	329.69	30.79	ND	ND	298.90	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	3	ND(1)	ND(1)	
	12/9/2014	329.69	35.25	ND	ND	294.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.69	34.40	ND	ND	295.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	329.69	36.48	ND	ND	293.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	329.69	39.75	ND	ND	289.94	ND(1)	ND(1)	ND(1)	ND(1)	45	ND(20)	5	ND(1)	ND(1)	
	12/2/2015	329.64	40.46	ND	ND	289.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	329.64	37.96	ND	ND	291.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	329.64	32.82	ND	ND	296.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	329.64	37.47	ND	ND	292.17	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	NSVD	36.66	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	331.12	36.51	ND	ND	294.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	331.12	37.77	ND	ND	293.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	331.12	39.58	ND	ND	291.54	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
<b>Mann-Kendall Statistic</b>							0	0	0	0	-1	-1	-1	0	-1	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-9	6/22/2010	333.46	32.32	ND	ND	301.14	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	22	NA	NA	NA	NA
	9/30/2010	333.46	34.85	ND	ND	298.61	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	52	NA	NA	NA	NA
	12/16/2010	333.46	34.73	ND	ND	298.73	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	81	NA	NA	NA	NA
	2/17/2011	333.46	35.28	ND	ND	298.18	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	48	NA	NA	NA	NA
	5/24/2011	333.46	34.04	ND	ND	299.42	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	26	NA	NA	NA	NA
	9/2/2011	333.46	36.86	ND	ND	296.60	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	80	NA	NA	NA	NA
	12/29/2011	333.46	34.68	ND	ND	298.78	ND(0.5)	2 J	ND(0.8)	1 J	58	NA	NA	NA	NA
	6/1/2012	333.46	35.17	ND	ND	298.29	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	190	NA	NA	NA	NA
	2/25/2013	333.46	36.65	ND	ND	296.81	ND(5)	ND(5)	ND(5)	ND(5)	55	ND(80)	17	ND(5)	ND(5)
	6/6/2013	333.46	35.98	ND	ND	297.48	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	20	NA	NA	NA	NA
	12/18/2013	333.46	37.33	ND	ND	296.13	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)
	3/24/2014	333.46	34.67	ND	ND	298.79	ND(5)	ND(5)	ND(5)	ND(5)	12	ND(80)	6	ND(5)	ND(5)
	6/19/2014	333.46	32.56	ND	ND	300.90	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/8/2014	333.46	35.91	ND	ND	297.55	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/9/2014	333.46	40.12	ND	ND	293.34	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/2015	333.46	40.65	ND	ND	292.81	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/4/2015	333.46	39.21	ND	ND	294.25	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/1/2015	333.46	41.15	ND	ND	292.31	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/2/2015	333.46	46.21	ND	ND	287.25	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/2016	333.46	39.27	ND	ND	294.19	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/2/2016	333.46	35.85	ND	ND	297.61	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/17/2016	333.46	38.85	ND	ND	294.61	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	3	ND(1)	ND(1)
	12/13/2016	333.46	38.30	ND	ND	295.16	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/13/2017	333.88	38.29	ND	ND	295.59	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2017	333.88	38.86	ND	ND	295.02	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/1/2017	333.88	40.64	ND	ND	293.24	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	2	0	-1	0	0	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-10	6/22/2010	324.17	25.80	ND	ND	298.37	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	4	NA	NA	NA	NA	
	12/16/2010	324.17	27.72	ND	ND	296.45	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	10	NA	NA	NA	NA	
	2/17/2011	324.17	28.05	ND	ND	296.12	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	7	NA	NA	NA	NA	
	5/24/2011	324.17	27.04	ND	ND	297.13	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	3 J	NA	NA	NA	NA	
	9/2/2011	324.17	29.60	ND	ND	294.57	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	8	NA	NA	NA	NA	
	12/29/2011	324.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	6/1/2012	324.17	28.17	ND	ND	296.00	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	4 J	NA	NA	NA	NA	
	2/25/2013	324.17	29.45	ND	ND	294.72	ND(5)	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	324.17	28.87	ND	ND	295.30	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	324.17	30.04	ND	ND	294.13	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	324.17	27.24	ND	ND	296.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/18/2014	324.17	25.67	ND	ND	298.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	324.17	28.02	ND	ND	296.15	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	324.17	32.88	ND	ND	291.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	324.17	32.22	ND	ND	291.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	324.17	31.04	ND	ND	293.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	324.17	33.51	ND	ND	290.66	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	324.17	34.13	ND	ND	290.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	324.17	32.24	ND	ND	291.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	324.17	28.77	ND	ND	295.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	324.17	31.88	ND	ND	292.29	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	324.17	30.97	ND	ND	293.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	324.17	30.61	ND	ND	293.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	324.17	31.27	ND	ND	292.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	324.17	32.06	ND	ND	292.11	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	5	0	0	0	0	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-11	6/22/2010	329.64	29.00	ND	ND	300.64	ND(50)	ND(70)	ND(80)	ND(80)	170000	NA	NA	NA	NA	
	9/30/2010	329.64	31.42	ND	ND	298.22	ND(50)	ND(70)	ND(80)	ND(80)	130000	NA	NA	NA	NA	
	12/16/2010	329.64	31.22	ND	ND	298.42	ND(25)	ND(35)	ND(40)	ND(40)	41000	NA	NA	NA	NA	
	2/17/2011	329.64	31.81	ND	ND	297.83	ND(10)	ND(14)	ND(16)	ND(16)	23000	NA	NA	NA	NA	
	5/24/2011	329.64	30.56	ND	ND	299.08	ND(13)	ND(18)	ND(20)	ND(20)	16000	NA	NA	NA	NA	
	9/2/2011	329.64	33.22	ND	ND	296.42	4 J	ND(4)	ND(4)	ND(4)	7400	NA	NA	NA	NA	
	12/29/2011	329.64	31.29	ND	ND	298.35	ND(10)	ND(14)	ND(16)	ND(16)	9000	NA	NA	NA	NA	
	6/1/2012	329.64	31.77	ND	ND	297.87	7 J	21 J	ND(8)	34 J	4200	NA	NA	NA	NA	
	2/25/2013	329.64	33.03	ND	ND	296.61	ND(10)	ND(10)	ND(10)	ND(10)	1400	180	530	ND(10)	22	
	6/6/2013	329.64	32.46	ND	ND	297.18	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	770	NA	NA	NA	NA	
	12/18/2013	329.64	33.91	ND	ND	295.73	ND(5)	ND(5)	ND(5)	7	140	ND(80)	130	ND(5)	ND(5)	
	3/24/2014	329.64	31.19	ND	ND	298.45	ND(5)	ND(5)	ND(5)	ND(5)	41	ND(80)	25	ND(5)	ND(5)	
	6/20/2014	329.64	28.93	ND	ND	300.71	ND(1)	ND(1)	ND(1)	ND(1)	27	ND(20)	6	ND(1)	ND(1)	
	9/10/2014	329.64	30.90	ND	ND	298.74	ND(1)	ND(1)	ND(1)	ND(1)	26	ND(20)	13	ND(1)	ND(1)	
	12/9/2014	329.64	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.64	36.52	ND	ND	293.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	329.64	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	329.64	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	329.64	38.85	ND	ND	290.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	329.64	38.18	ND	ND	291.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	329.64	32.72	ND	ND	296.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	329.64	38.31	ND	ND	291.33	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	329.64	35.18	ND	ND	294.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	329.73	34.99	ND	ND	294.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	329.73	36.48	ND	ND	293.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2017	329.73	38.59	ND	ND	291.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	-5	-14	0	-12	0	0	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-12D(110)	5/24/2011	326.43	28.12	ND	ND	298.31	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	Open from 100-160'
	9/2/2011	326.43	32.37	ND	ND	294.06	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/22/2011	326.43	29.63	ND	ND	296.80	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	6/1/2012	326.43	29.75	ND	ND	296.68	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	2/25/2013	326.43	30.86	ND	ND	295.57	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	326.43	30.59	ND	ND	295.84	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/17/2013	326.43	31.51	ND	ND	294.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2014	326.43	29.33	ND	ND	297.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/18/2014	326.43	25.98	ND	ND	300.45	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/2/2015	326.43	32.43	ND	ND	294.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	326.43	30.45	ND	ND	295.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	326.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	326.43	31.64	ND	ND	294.79	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	326.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	326.43	34.36	ND	ND	292.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	326.43	32.80	ND	ND	293.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	326.43	34.04	ND	ND	292.39	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	0	0	0	0	0	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-13	9/2/2011	332.00	34.37	ND	ND	297.63	5	ND(0.7)	ND(0.8)	5	6800	NA	NA	NA	NA	Screened from 25-45'
	12/29/2011	332.00	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	6/1/2012	332.00	32.88	ND	ND	299.12	ND(5)	ND(7)	ND(8)	ND(8)	5700	NA	NA	NA	NA	
	2/25/2013	332.00	33.80	ND	ND	298.20	ND(25)	ND(25)	ND(25)	ND(25)	5300	ND(400)	150	ND(25)	80	
	6/6/2013	332.00	33.33	ND	ND	298.67	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1300	NA	NA	NA	NA	
	12/19/2013	332.00	34.43	ND	ND	297.57	ND(5)	ND(5)	ND(5)	ND(5)	1100	ND(80)	43	ND(5)	18	
	3/24/2014	332.00	32.29	ND	ND	299.71	ND(5)	ND(5)	ND(5)	ND(5)	21	ND(80)	ND(5)	ND(5)	ND(5)	
	6/19/2014	332.00	30.07	ND	ND	301.93	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	9/10/2014	332.00	32.95	ND	ND	299.05	ND(1)	ND(1)	ND(1)	ND(1)	7	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	332.00	30.16	ND	ND	301.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	332.00	34.27	ND	ND	297.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	332.00	35.94	ND	ND	296.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	332.00	38.73	ND	ND	293.27	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	332.00	39.03	ND	ND	292.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	3320.00	36.84	ND	ND	3283.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	332.00	33.71	ND	ND	298.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	332.00	36.35	ND	ND	295.65	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	10/19/2016	332.00	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well Abandoned 10/19/16
Mann-Kendall Statistic							0	0	0	0	-34	0	-11	0	-11	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-14	9/2/2011	331.81	35.02	ND	ND	296.79	54	ND(4)	ND(4)	55	170000	NA	NA	NA	NA	Screened from 25-45'
	12/29/2011	331.81	33.36	ND	ND	298.45	ND(50)	ND(70)	ND(80)	ND(80)	99000	NA	NA	NA	NA	
	6/1/2012	331.81	33.90	ND	ND	297.91	ND(50)	ND(70)	ND(80)	ND(80)	91000	NA	NA	NA	NA	
	2/25/2013	331.81	35.07	ND	ND	296.74	ND(50)	ND(50)	ND(50)	ND(50)	29000	2500	1100	ND(50)	450	
	6/6/2013	331.81	34.35	ND	ND	297.46	ND(1)	ND(1)	ND(2)	ND(2)	3600	NA	NA	NA	NA	
	12/19/2013	331.81	35.15	ND	ND	296.66	ND(5)	ND(5)	ND(5)	ND(5)	33	ND(80)	11	ND(5)	ND(5)	
	3/24/2014	331.82	32.91	ND	ND	298.91	ND(5)	ND(5)	ND(5)	ND(5)	14	ND(80)	ND(5)	ND(5)	ND(5)	
	6/19/2014	331.82	27.27	ND	ND	304.55	ND(1)	ND(1)	ND(1)	ND(1)	62	ND(20)	14	ND(1)	2	
	9/10/2014	331.82	24.65	ND	ND	307.17	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	5	ND(1)	3	
	12/9/2014	331.82	33.27	ND	ND	298.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	331.82	24.74	ND	ND	307.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Destroyed during construction
Mann-Kendall Statistic							0	0	0	0	-11	-4	-4	0	1	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-15	9/2/2011	328.95	33.06	ND	ND	295.89	ND(0.5)	ND(0.7)	ND(0.8)	1 J	21000	NA	NA	NA	NA	Screened from 25-45'
	12/29/2011	328.95	31.10	ND	ND	297.85	ND(1)	ND(1)	ND(2)	ND(2)	1100	NA	NA	NA	NA	
	6/1/2012	328.95	31.64	ND	ND	297.31	ND(10)	ND(14)	ND(16)	ND(16)	14000	NA	NA	NA	NA	
	2/25/2013	328.95	33.10	ND	ND	295.85	ND(10)	ND(10)	ND(10)	ND(10)	1800	300	140	ND(10)	28	
	6/6/2013	328.95	32.32	ND	ND	296.63	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	120	NA	NA	NA	NA	
	12/18/2013	328.95	33.86	ND	ND	295.09	ND(10)	ND(10)	ND(10)	14	1700	260	210	ND(10)	27	
	3/25/2014	328.95	30.90	ND	ND	298.05	ND(5)	ND(5)	ND(5)	ND(5)	350	ND(80)	50	ND(5)	5	
	6/20/2014	328.95	28.74	ND	ND	300.21	ND(1)	ND(1)	ND(1)	ND(1)	42	ND(20)	17	ND(1)	ND(1)	
	9/10/2014	328.95	31.49	ND	ND	297.46	ND(1)	ND(1)	ND(1)	1	530	110	150	ND(1)	12	
	12/10/2014	328.95	38.19	ND	ND	290.76	ND(2)	ND(2)	ND(2)	5	2100	750	370	ND(2)	42	
	3/11/2015	328.95	36.23	ND	ND	292.72	ND(1)	ND(1)	ND(1)	ND(1)	63	ND(20)	21	ND(1)	ND(1)	
	6/3/2015	328.95	36.27	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	62	ND(20)	8	ND(1)	ND(1)	
	9/1/2015	328.95	40.62	ND	ND	288.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/2/2015	328.95	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/17/2016	328.95	38.86	ND	ND	290.09	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	1	ND(1)	ND(1)	
	5/2/2016	328.95	32.38	ND	ND	296.57	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	8/16/2016	328.95	36.17	ND	ND	292.78	ND(1)	ND(1)	ND(1)	ND(1)	30	ND(20)	1	ND(1)	ND(1)	
	12/15/2016	328.95	34.84	ND	ND	294.11	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/16/2017	329.11	34.61	ND	ND	294.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/21/2017	329.11	34.91	ND	ND	294.20	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	8/29/2017	329.11	38.29	ND	ND	290.82	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
<b>Mann-Kendall Statistic</b>						0	0	0	-26	-55	-24	-64	0	-34		

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-16D(95)	6/1/2012	332.90	35.33	ND	ND	297.57	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	140	NA	NA	NA	NA	Abandoned to 110' (April 2011)
	2/25/2013	332.90	36.83	ND	ND	296.07	ND(100)	ND(100)	ND(100)	ND(100)	9800	ND(1600)	360	ND(100)	200	Open from 85-110'
	6/6/2013	332.90	36.15	ND	ND	296.75	18 J	ND(7)	ND(8)	ND(8)	11000	NA	NA	NA	NA	
	12/19/2013	332.90	37.13	ND	ND	295.77	ND(130)	ND(130)	ND(130)	ND(130)	19000	2800	770	ND(130)	390	
	3/25/2014	332.90	34.64	ND	ND	298.26	25	ND(25)	ND(25)	ND(25)	14000	2000	520	ND(25)	300	
	6/19/2014	332.90	32.75	ND	ND	300.15	28	ND(20)	ND(20)	ND(20)	13000	1100	660	ND(20)	280	
	9/3/2014	332.90	36.14	ND	ND	296.76	6	ND(5)	ND(5)	ND(5)	3600	450	140	ND(5)	69	
	12/9/2014	332.90	40.36	ND	ND	292.54	ND(5)	ND(5)	ND(5)	ND(5)	2100	ND(100)	29	ND(5)	19	
	3/9/2015	332.90	NM	NM	NM	NM	ND(2)	ND(2)	ND(2)	ND(2)	1300	290	67	ND(2)	17	
	6/1/2015	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	610	34	47	ND(1)	9	
	8/17/2015	332.90	NM	NM	NM	NM	ND(2)	ND(2)	ND(2)	ND(2)	450	NA	NA	NA	NA	
	8/31/2015	332.90	44.79	ND	ND	288.11	ND(1)	ND(1)	ND(1)	ND(1)	300	23	26	ND(1)	4	
	12/1/2015	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	490	35	21	ND(1)	7	
	2/12/2016	332.90	37.98	ND	ND	294.92	ND(1)	ND(1)	ND(1)	ND(1)	81	ND(20)	4	ND(1)	ND(1)	
	3/17/2016	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	39	ND(20)	1	ND(1)	1	
	5/6/2016	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	200	ND(20)	8	ND(1)	3	
	8/16/2016	332.90	38.25	ND	ND	294.65	ND(1)	ND(1)	ND(1)	ND(1)	19	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	332.90	38.48	ND	ND	294.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	332.27	37.25	ND	ND	295.02	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	
	6/21/2017	332.27	37.91	ND	ND	294.36	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/1/2017	332.27	40.00	ND	ND	292.27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic						-27	0	0	0	-97	-51	-77	0	-73		

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(75)	4/25/2014	328.84	30.77	ND	ND	298.07	ND(100)	ND(100)	ND(100)	ND(100)	120000	39000	2000	ND(100)	1900	CMT
	6/11/2014	328.84	29.81	ND	ND	299.03	ND(1)	ND(1)	ND(1)	ND(1)	20	ND(20)	2	ND(1)	ND(1)	
	9/2/2014	328.84	31.70	ND	ND	297.14	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	31	ND(1)	2	
	12/8/2014	328.84	49.65	ND	ND	279.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	21	ND(20)	ND(20)	ND(20)	37000	8300	860	ND(20)	600	
	3/9/2015	328.84	42.23	ND	ND	286.61	ND(20)	ND(20)	ND(20)	ND(20)	23000	4900	300	ND(20)	210	
	6/1/2015	328.84	35.71	ND	ND	293.13	ND(1)	ND(1)	ND(1)	ND(1)	200	ND(20)	21	ND(1)	4	
	8/31/2015	328.84	36.89	ND	ND	291.95	ND(10)	ND(10)	ND(10)	ND(10)	13000	3400	400	ND(10)	280	
	12/29/2015	328.84	44.73	ND	ND	284.11	ND(10)	ND(10)	ND(10)	ND(10)	7100	1200	190	ND(10)	120	
	3/17/2016	328.84	48.50	ND	ND	280.34	4	ND(1)	ND(1)	ND(1)	6400	970	180	ND(1)	110	
	4/29/2016	328.84	33.00	ND	ND	295.84	13	ND(10)	ND(10)	ND(10)	37000	7700	700	ND(10)	510	
	8/16/2016	328.84	37.84	ND	ND	291.00	ND(10)	ND(10)	ND(10)	ND(10)	3800	650	110	ND(10)	55	
	12/13/2016	328.84	35.24	ND	ND	293.60	ND(50)	ND(50)	ND(50)	ND(50)	32000	6100	560	ND(50)	420	
	3/13/2017	328.99	34.97	ND	ND	294.02	ND(50)	ND(50)	ND(50)	ND(50)	27000	7400	580	ND(50)	340	
	6/21/2017	328.99	36.85	ND	ND	292.14	ND(10)	ND(10)	ND(10)	ND(10)	9900	1400	250	ND(10)	150	
	8/28/2017	328.99	42.70	ND	ND	286.29	2	ND(2)	ND(2)	ND(2)	4000	480	110	ND(2)	62	
<b>Mann-Kendall Statistic</b>							0	0	0	0	6	4	7	0	7	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(81)	4/25/2014	328.84	28.89	ND	ND	299.95	ND(100)	ND(100)	ND(100)	ND(100)	92000	23000	1700	ND(100)	1400	CMT
	6/11/2014	328.84	30.72	ND	ND	298.12	ND(10)	ND(10)	ND(10)	ND(10)	5000	1800	70	ND(10)	60	
	9/2/2014	328.84	31.13	ND	ND	297.71	ND(1)	ND(1)	ND(1)	ND(1)	10	ND(20)	2	ND(1)	ND(1)	
	12/8/2014	328.84	50.40	ND	ND	278.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(10)	ND(10)	ND(10)	ND(10)	5900	2800	89	ND(10)	73	
	3/9/2015	328.84	42.25	ND	ND	286.59	ND(1)	ND(1)	ND(1)	ND(1)	14	ND(20)	2	ND(1)	ND(1)	
	6/1/2015	328.84	35.58	ND	ND	293.26	ND(5)	ND(5)	ND(5)	ND(5)	2600	400	88	ND(5)	44	
	8/31/2015	328.84	36.62	ND	ND	292.22	3	ND(2)	ND(2)	ND(2)	790	150	41	ND(2)	18	
	12/29/2015	328.84	44.94	ND	ND	283.90	ND(5)	ND(5)	ND(5)	ND(5)	2500	430	62	ND(5)	43	
	3/17/2016	328.84	49.35	ND	ND	279.49	1	ND(1)	ND(1)	ND(1)	2700	300	84	ND(1)	48	
	4/29/2016	328.84	32.77	ND	ND	296.07	ND(10)	ND(10)	ND(10)	ND(10)	12000	1900	310	ND(10)	170	
	8/16/2016	328.84	38.02	ND	ND	290.82	ND(5)	ND(5)	ND(5)	ND(5)	1800	290	49	ND(5)	25	
	12/13/2016	328.84	35.25	ND	ND	293.59	ND(20)	ND(20)	ND(20)	ND(20)	17000	3000	300	ND(20)	240	
	3/13/2017	328.99	34.97	ND	ND	294.02	ND(20)	ND(20)	ND(20)	ND(20)	30000	7900	600	ND(20)	370	
	6/21/2017	328.99	36.65	ND	ND	292.34	ND(5)	ND(5)	ND(5)	ND(5)	5400	730	130	ND(5)	79	
	8/28/2017	328.99	43.07	ND	ND	285.92	ND(2)	ND(2)	ND(2)	ND(2)	2300	240	70	ND(2)	35	
<b>Mann-Kendall Statistic</b>							1	0	0	0	19	12	20	0	20	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(87.75)	4/25/2014	328.84	30.93	ND	ND	297.91	ND(50)	ND(50)	ND(50)	ND(50)	40000	11000	700	ND(50)	620	CMT
	6/11/2014	328.84	29.96	ND	ND	298.88	ND(25)	ND(25)	ND(25)	ND(25)	12000	2600	240	ND(25)	170	
	9/2/2014	328.84	31.57	ND	ND	297.27	ND(1)	ND(1)	ND(1)	ND(1)	250	61	6	ND(1)	3	
	12/8/2014	328.84	34.62	ND	ND	294.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(20)	ND(20)	ND(20)	ND(20)	25000	1200	360	ND(20)	290	
	3/9/2015	328.84	36.27	ND	ND	292.57	ND(1)	ND(1)	ND(1)	ND(1)	80	21	3	ND(1)	ND(1)	
	6/1/2015	328.84	35.16	ND	ND	293.68	2	ND(1)	ND(1)	ND(1)	630	57	31	ND(1)	11	
	8/31/2015	328.84	36.20	ND	ND	292.64	ND(20)	ND(20)	ND(20)	ND(20)	7200	ND(400)	120	ND(20)	77	
	12/29/2015	328.84	34.65	ND	ND	294.19	ND(2)	ND(2)	ND(2)	ND(2)	1700	190	52	ND(2)	32	
	3/17/2016	328.84	38.21	ND	ND	290.63	ND(1)	ND(1)	ND(1)	ND(1)	27	ND(20)	3	ND(1)	ND(1)	
	4/29/2016	328.84	32.98	ND	ND	295.86	ND(1)	ND(1)	ND(1)	ND(1)	150	ND(20)	7	ND(1)	1	
	8/16/2016	328.84	35.22	ND	ND	293.62	ND(1)	ND(1)	ND(1)	ND(1)	17	ND(20)	1	ND(1)	ND(1)	
	12/13/2016	328.84	35.29	ND	ND	293.55	ND(1)	ND(1)	ND(1)	ND(1)	180	ND(20)	6	ND(1)	2	
	3/13/2017	328.99	35.01	ND	ND	293.98	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	6	ND(1)	2	
	6/21/2017	328.99	35.23	ND	ND	293.76	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	4	ND(1)	ND(1)	
	8/28/2017	328.99	38.34	ND	ND	290.65	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	
<b>Mann-Kendall Statistic</b>						-3	0	0	0	-45	-58	-43	0	-44		

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(92)	4/25/2014	328.84	30.94	ND	ND	297.90	ND(25)	ND(25)	ND(25)	ND(25)	15000	3200	370	ND(25)	270	CMT
	6/10/2014	328.84	29.95	ND	ND	298.89	ND(10)	ND(10)	ND(10)	ND(10)	11000	2200	320	ND(10)	200	
	9/2/2014	328.84	32.84	ND	ND	296.00	ND(10)	ND(10)	ND(10)	ND(10)	11000	3300	200	ND(10)	130	
	12/8/2014	328.84	37.26	ND	ND	291.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(20)	ND(20)	ND(20)	ND(20)	32000	12000	600	ND(20)	390	
	3/9/2015	328.84	37.04	ND	ND	291.80	ND(3)	ND(3)	ND(3)	ND(3)	620	220	16	ND(3)	8	
	6/1/2015	328.84	35.00	ND	ND	293.84	ND(50)	ND(50)	ND(50)	ND(50)	17000	3700	410	ND(50)	200	
	8/31/2015	328.84	36.01	ND	ND	292.83	ND(10)	ND(10)	ND(10)	ND(10)	8100	200	140	ND(10)	95	
	12/29/2015	328.84	38.96	ND	ND	289.88	ND(1)	ND(1)	ND(1)	ND(1)	85	ND(20)	5	ND(1)	2	
	3/17/2016	328.84	37.92	ND	ND	290.92	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	4/29/2016	328.84	33.10	ND	ND	295.74	ND(1)	ND(1)	ND(1)	ND(1)	13	ND(20)	ND(1)	ND(1)	ND(1)	
	8/16/2016	328.84	35.78	ND	ND	293.06	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	328.84	35.07	ND	ND	293.77	ND(1)	ND(1)	ND(1)	ND(1)	28	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	328.99	34.96	ND	ND	294.03	ND(1)	ND(1)	ND(1)	ND(1)	18	ND(20)	ND(1)	ND(1)	ND(1)	
	6/21/2017	328.99	35.52	ND	ND	293.47	ND(1)	ND(1)	ND(1)	ND(1)	9	ND(20)	ND(1)	ND(1)	ND(1)	
	8/28/2017	328.99	38.41	ND	ND	290.58	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
<b>Mann-Kendall Statistic</b>							0	0	0	0	-55	-52	-60	0	-63	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(117)	4/25/2014	328.84	31.35	ND	ND	297.49	ND(100)	ND(100)	ND(100)	ND(100)	120000	31000	2300	ND(100)	1800	CMT
	6/10/2014	328.84	30.58	ND	ND	298.26	ND(50)	ND(50)	ND(50)	ND(50)	54000	14000	1000	ND(50)	740	
	9/3/2014	328.84	32.99	ND	ND	295.85	ND(50)	ND(50)	ND(50)	ND(50)	23000	5500	450	ND(50)	300	
	12/8/2014	328.84	38.28	ND	ND	290.56	ND(5)	ND(5)	ND(5)	ND(5)	5000	1400	130	ND(5)	76	
	3/10/2015	328.84	37.65	ND	ND	291.19	ND(20)	ND(20)	ND(20)	ND(20)	8700	3300	350	ND(20)	120	
	6/2/2015	328.84	35.72	ND	ND	293.12	ND(50)	ND(50)	ND(50)	ND(50)	19000	2900	500	ND(50)	230	
	9/1/2015	328.84	36.70	ND	ND	292.14	ND(10)	ND(10)	ND(10)	ND(10)	9400	2400	290	ND(10)	160	
	12/29/2015	328.84	38.68	ND	ND	290.16	ND(10)	ND(10)	ND(10)	ND(10)	5800	1600	170	ND(10)	120	
	3/17/2016	328.84	37.48	ND	ND	291.36	ND(5)	ND(5)	ND(5)	ND(5)	4200	1100	100	ND(5)	74	
	4/29/2016	328.84	33.57	ND	ND	295.27	ND(5)	ND(5)	ND(5)	ND(5)	3500	590	79	ND(5)	43	
	8/16/2016	328.84	35.76	ND	ND	293.08	ND(5)	ND(5)	ND(5)	ND(5)	3300	660	95	ND(5)	55	
	12/13/2016	328.84	35.79	ND	ND	293.05	ND(2)	ND(2)	ND(2)	ND(2)	1000	150	17	ND(2)	14	
	3/13/2017	328.99	35.46	ND	ND	293.53	ND(2)	ND(2)	ND(2)	ND(2)	720	160	20	ND(2)	12	
	6/21/2017	328.99	35.45	ND	ND	293.54	ND(1)	ND(1)	ND(1)	ND(1)	790	110	20	ND(1)	13	
	8/28/2017	328.99	38.09	ND	ND	290.90	2	ND(1)	ND(1)	ND(1)	1100	190	50	ND(1)	25	
<b>Mann-Kendall Statistic</b>						14	0	0	0	-85	-87	-87	-80	0	-82	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(129.75)	4/25/2014	328.84	32.77	ND	ND	296.07	ND(100)	ND(100)	ND(100)	ND(100)	120000	30000	2300	ND(100)	1800	CMT
	6/10/2014	328.84	31.59	ND	ND	297.25	ND(50)	ND(50)	ND(50)	ND(50)	49000	17000	830	ND(50)	690	
	9/3/2014	328.84	33.61	ND	ND	295.23	ND(100)	ND(100)	ND(100)	ND(100)	80000	23000	1400	ND(100)	990	
	12/8/2014	328.84	38.10	ND	ND	290.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(50)	ND(50)	ND(50)	ND(50)	69000	21000	1500	ND(50)	1000	
	3/10/2015	328.84	43.87	ND	ND	284.97	ND(10)	ND(10)	ND(10)	ND(10)	12000	3300	360	ND(10)	180	
	6/2/2015	328.84	35.96	ND	ND	292.88	ND(100)	ND(100)	ND(100)	ND(100)	64000	9500	1300	ND(100)	790	
	8/31/2015	328.84	36.95	ND	ND	291.89	ND(100)	ND(100)	ND(100)	ND(100)	49000	15000	910	ND(100)	660	
	12/29/2015	328.84	38.24	ND	ND	290.60	ND(50)	ND(50)	ND(50)	ND(50)	18000	7000	320	ND(50)	320	
	3/17/2016	328.84	37.41	ND	ND	291.43	ND(5)	ND(5)	ND(5)	ND(5)	5600	600	97	ND(5)	73	
	4/29/2016	328.84	34.25	ND	ND	294.59	ND(2)	ND(2)	ND(2)	ND(2)	2100	290	42	ND(2)	24	
	8/16/2016	328.84	36.61	ND	ND	292.23	ND(2)	ND(2)	ND(2)	ND(2)	2200	450	61	ND(2)	37	
	12/13/2016	328.84	36.16	ND	ND	292.68	ND(2)	ND(2)	ND(2)	ND(2)	2000	480	37	ND(2)	35	
	3/13/2017	328.99	35.96	ND	ND	293.03	ND(2)	ND(2)	ND(2)	ND(2)	1700	360	45	ND(2)	28	
	6/21/2017	328.99	35.91	ND	ND	293.08	ND(5)	ND(5)	ND(5)	ND(5)	2900	410	68	ND(5)	40	
	8/28/2017	328.99	38.13	ND	ND	290.86	2	ND(2)	ND(2)	ND(2)	4300	730	140	ND(2)	80	
<b>Mann-Kendall Statistic</b>							0	0	0	0	-68	-67	-63	0	-63	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(147)	4/25/2014	328.84	33.41	ND	ND	295.43	ND(100)	ND(100)	ND(100)	ND(100)	98000	30000	2000	ND(100)	1500	CMT
	6/11/2014	328.84	31.96	ND	ND	296.88	ND(100)	ND(100)	ND(100)	ND(100)	82000	22000	1500	ND(100)	1200	
	9/3/2014	328.84	33.92	ND	ND	294.92	6	ND(1)	ND(1)	ND(1)	55000	16000	790	ND(1)	570	
	12/8/2014	328.84	37.99	ND	ND	290.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(50)	ND(50)	ND(50)	ND(50)	70000	21000	1500	ND(50)	1000	
	3/10/2015	328.84	49.26	ND	ND	279.58	ND(50)	ND(50)	ND(50)	ND(50)	25000	9500	470	ND(50)	280	
	6/2/2015	328.84	35.87	ND	ND	292.97	ND(100)	ND(100)	ND(100)	ND(100)	56000	11000	960	ND(100)	650	
	9/1/2015	328.84	36.92	ND	ND	291.92	ND(50)	ND(50)	ND(50)	ND(50)	43000	13000	900	ND(50)	630	
	12/29/2015	328.84	37.52	ND	ND	291.32	ND(20)	ND(20)	ND(20)	ND(20)	13000	5400	170	ND(20)	230	
	3/17/2016	328.84	37.29	ND	ND	291.55	ND(1)	ND(1)	ND(1)	ND(1)	2600	3300	58	ND(1)	57	
	4/29/2016	328.84	34.26	ND	ND	294.58	ND(10)	ND(10)	ND(10)	ND(10)	3700	2400	41	ND(10)	44	
	8/16/2016	328.84	36.43	ND	ND	292.41	ND(1)	ND(1)	ND(1)	ND(1)	1100	2400	10	ND(1)	14	
	12/13/2016	328.84	36.38	ND	ND	292.46	ND(2)	ND(2)	ND(2)	ND(2)	3900	2000	49	ND(2)	64	
	3/13/2017	328.99	36.12	ND	ND	292.87	ND(5)	ND(5)	ND(5)	ND(5)	3000	1400	59	ND(5)	43	
	6/21/2017	328.99	36.08	ND	ND	292.91	ND(10)	ND(10)	ND(10)	ND(10)	7800	1400	170	ND(10)	98	
	8/28/2017	328.99	38.12	ND	ND	290.87	ND(1)	ND(1)	ND(1)	ND(1)	1600	1200	52	ND(1)	37	
<b>Mann-Kendall Statistic</b>						-9	0	0	0	-61	-81	-57	0	-63		

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-18D	5/10/2013	334.88	40.57	ND	ND	294.31	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Open from 97-136'
	6/6/2013	334.88	40.69	ND	ND	294.19	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	334.88	41.60	ND	ND	293.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2014	334.88	38.94	ND	ND	295.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/18/2014	334.88	36.04	ND	ND	298.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	334.88	38.14	ND	ND	296.74	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	334.88	42.23	ND	ND	292.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	334.88	42.19	ND	ND	292.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	334.88	40.72	ND	ND	294.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	334.88	42.77	ND	ND	292.11	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	334.88	43.90	ND	ND	290.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	334.88	41.29	ND	ND	293.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	334.88	39.45	ND	ND	295.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	334.88	41.24	ND	ND	293.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	334.88	42.47	ND	ND	292.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	334.88	42.57	ND	ND	292.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	334.88	42.06	ND	ND	292.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	334.88	43.39	ND	ND	291.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
<b>Mann-Kendall Statistic</b>						0	0	0	0	0	0	0	0	0	0	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-19D	3/28/2014	341.91	43.16	ND	ND	298.75	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/20/2014	341.91	41.11	ND	ND	300.80	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/4/2014	341.91	43.36	ND	ND	298.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	341.91	47.56	ND	ND	294.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	341.91	48.76	ND	ND	293.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	341.91	47.39	ND	ND	294.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	341.91	49.27	ND	ND	292.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	341.91	50.59	ND	ND	291.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	341.91	47.40	ND	ND	294.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	341.91	44.21	ND	ND	297.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/19/2016	341.91	47.35	ND	ND	294.56	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	341.91	46.78	ND	ND	295.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	341.91	46.51	ND	ND	295.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	341.91	47.23	ND	ND	294.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	341.91	48.84	ND	ND	293.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
<b>Mann-Kendall Statistic</b>							0	0	0	0	0	0	0	0	0	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-20D(73-83)	4/11/2014	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	72	32	2	ND(1)	ND(1)	
	7/10/2014	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	100	28	3	ND(1)	ND(1)	
	8/26/2014	329.57	31.26	ND	ND	298.31	ND(1)	ND(1)	ND(1)	ND(1)	100	34	2	ND(1)	ND(1)	
	9/2/2014	329.57	33.62	ND	ND	295.95	ND(1)	ND(1)	ND(1)	ND(1)	120	27	3	ND(1)	1	
	12/9/2014	329.57	36.52	ND	ND	293.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.57	38.02	ND	ND	291.55	ND(2)	ND(2)	ND(2)	ND(2)	740	340	15	ND(2)	8	
	3/27/2015	329.57	37.51	ND	ND	292.06	ND(1)	ND(1)	ND(1)	ND(1)	1400	480	24	ND(1)	18	
	5/6/2015	329.57	36.48	ND	ND	293.09	ND(1)	ND(1)	ND(1)	ND(1)	980	280	15	ND(1)	9	
	6/1/2015	329.57	36.52	ND	ND	293.05	ND(2)	ND(2)	ND(2)	ND(2)	940	190	16	ND(2)	10	
	9/1/2015	329.57	38.69	ND	ND	290.88	ND(1)	ND(1)	ND(1)	ND(1)	990	360	19	ND(1)	11	
	12/1/2015	329.57	38.97	ND	ND	290.60	ND(1)	ND(1)	ND(1)	ND(1)	900	400	15	ND(1)	11	
	3/17/2016	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	680	250	12	ND(1)	8	
	4/29/2016	329.57	35.41	ND	ND	294.16	ND(1)	ND(1)	ND(1)	ND(1)	670	190	13	ND(1)	5	
	8/19/2016	329.57	36.56	ND	ND	293.01	2	ND(1)	ND(1)	ND(1)	740	150	14	ND(1)	8	
	12/13/2016	329.57	37.70	ND	ND	291.87	ND(1)	ND(1)	ND(1)	ND(1)	570	180	8	ND(1)	5	
	3/13/2017	329.57	38.41	ND	ND	291.16	ND(1)	ND(1)	ND(1)	ND(1)	400	190	6	ND(1)	3	
	6/22/2017	329.57	38.31	ND	ND	291.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.57	38.85	ND	ND	290.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							8	0	0	0	-13	-7	-11	0	-5	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-20D(90-100)	4/11/2014	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	55	24	1	ND(1)	ND(1)	
	7/10/2014	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	73	21	2	ND(1)	ND(1)	
	8/26/2014	329.58	32.88	ND	ND	296.70	ND(1)	ND(1)	ND(1)	ND(1)	75	26	1	ND(1)	ND(1)	
	9/2/2014	329.58	34.25	ND	ND	295.33	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	329.58	37.24	ND	ND	292.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.58	38.22	ND	ND	291.36	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	6/1/2015	329.58	36.72	ND	ND	292.86	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/1/2015	329.58	38.82	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/1/2015	329.58	39.42	ND	ND	290.16	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/17/2016	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	4/29/2016	329.58	35.63	ND	ND	293.95	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	8/19/2016	329.58	37.30	ND	ND	292.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/13/2016	329.58	38.82	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/13/2017	329.58	39.03	ND	ND	290.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/22/2017	329.58	38.46	ND	ND	291.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.58	39.40	ND	ND	290.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
<b>Mann-Kendall Statistic</b>							0	0	0	0	-38	-26	-27	0	0	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-20D(132-142)	4/11/2014	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	ND(1)	ND(1)	ND(1)	
	7/10/2014	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	55	ND(20)	1	ND(1)	ND(1)	
	8/26/2014	329.56	33.85	ND	ND	295.71	ND(1)	ND(1)	ND(1)	ND(1)	130	42	2	ND(1)	1	
	9/2/2014	329.56	34.36	ND	ND	295.20	ND(1)	ND(1)	ND(1)	ND(1)	100	38	3	ND(1)	ND(1)	
	12/9/2014	329.56	38.19	ND	ND	291.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.56	38.26	ND	ND	291.30	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/1/2015	329.56	36.73	ND	ND	292.83	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	ND(1)	ND(1)	ND(1)	
	9/1/2015	329.56	38.80	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	7	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	329.56	39.79	ND	ND	289.77	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/17/2016	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	4/29/2016	329.56	35.64	ND	ND	293.92	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	8/19/2016	329.56	37.36	ND	ND	292.20	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	329.56	38.78	ND	ND	290.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	329.56	38.94	ND	ND	290.62	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	329.56	38.38	ND	ND	291.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.56	39.44	ND	ND	290.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
<b>Mann-Kendall Statistic</b>							0	0	0	0	-42	-13	-18	0	-7	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-21S	4/11/2014	329.69	33.65	ND	ND	296.04	ND(10)	ND(10)	ND(10)	ND(10)	7500	6200	79	ND(10)	78	Screened from 26-46'
	6/18/2014	329.69	31.42	ND	ND	298.27	ND(1)	ND(1)	ND(1)	ND(1)	53	ND(20)	1	ND(1)	ND(1)	
	9/16/2014	329.69	34.26	ND	ND	295.43	ND(1)	ND(1)	ND(1)	ND(1)	130	31	4	ND(1)	1	
	12/10/2014	329.69	37.30	ND	ND	292.39	ND(1)	ND(1)	ND(1)	ND(1)	780	320	20	ND(1)	8	
	3/11/2015	329.69	37.33	ND	ND	292.36	ND(2)	ND(2)	ND(2)	ND(2)	910	610	17	ND(2)	8	
	6/3/2015	329.69	35.74	ND	ND	293.95	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/4/2015	329.69	37.78	ND	ND	291.91	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	3	ND(1)	ND(1)	
	12/1/2015	329.69	38.98	ND	ND	290.71	ND(1)	ND(1)	ND(1)	ND(1)	1500	890	23	ND(1)	16	
	3/17/2016	329.69	36.24	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	1400	760	18	ND(1)	16	
	5/4/2016	329.69	34.54	ND	ND	295.15	ND(2)	ND(2)	ND(2)	3	2400	900	30	ND(2)	22	
	8/19/2016	329.69	36.24	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	670	150	10	ND(1)	7	
	12/15/2016	329.69	38.03	ND	ND	291.66	ND(2)	ND(2)	ND(2)	ND(2)	1400	710	17	ND(2)	12	
	3/16/2017	329.69	38.24	ND	ND	291.45	ND(2)	ND(2)	ND(2)	ND(2)	1100	440	19	ND(2)	11	
	6/22/2017	329.69	37.43	ND	ND	292.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.69	38.52	ND	ND	291.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	6	13	11	9	0	13	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-21I	4/11/2014	329.71	33.71	ND	ND	296.00	ND(2)	ND(2)	ND(2)	ND(2)	2500	1700	31	ND(2)	28	Screened from 56-66'
	6/18/2014	329.71	31.52	ND	ND	298.19	ND(1)	ND(1)	ND(1)	ND(1)	1700	910	26	ND(1)	18	
	9/16/2014	329.71	34.35	ND	ND	295.36	ND(1)	ND(1)	ND(1)	ND(1)	2100	1500	29	ND(1)	26	
	12/10/2014	329.71	37.40	ND	ND	292.31	ND(1)	ND(1)	ND(1)	ND(1)	1900	1400	29	ND(1)	24	
	3/11/2015	329.71	37.40	ND	ND	292.31	ND(2)	ND(2)	ND(2)	ND(2)	1300	1000	22	ND(2)	15	
	5/6/2015	329.71	35.89	ND	ND	293.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	4	ND(1)	ND(1)		
	6/3/2015	329.71	35.81	ND	ND	293.90	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/4/2015	329.71	37.88	ND	ND	291.83	ND(2)	ND(2)	ND(2)	ND(2)	2300	1500	24	ND(2)	23	
	12/2/2015	329.71	39.04	ND	ND	290.67	ND(2)	ND(2)	ND(2)	ND(2)	2100	1400	23	ND(2)	22	
	3/17/2016	329.71	36.52	ND	ND	293.19	ND(1)	ND(1)	ND(1)	ND(1)	1300	880	20	ND(1)	17	
	5/3/2016	329.71	34.75	ND	ND	294.96	ND(1)	ND(1)	ND(1)	ND(1)	630	220	15	ND(1)	6	
	8/19/2016	329.71	36.37	ND	ND	293.34	ND(1)	ND(1)	ND(1)	ND(1)	1400	510	20	ND(1)	16	
	12/15/2016	329.71	38.10	ND	ND	291.61	ND(1)	ND(1)	ND(1)	ND(1)	220	33	8	ND(1)	2	
	3/16/2017	329.71	38.20	ND	ND	291.51	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	6	ND(1)	ND(1)	
	6/22/2017	329.71	37.48	ND	ND	292.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.71	38.60	ND	ND	291.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	
<b>Mann-Kendall Statistic</b>						0	0	0	0	-36	-44	-51	0	-46		

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-22	4/11/2014	320.97	28.55	ND	ND	292.42	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	Screened from 20-40'
	6/18/2014	320.97	25.75	ND	ND	295.22	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2014	320.97	27.48	ND	ND	293.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/9/2014	320.97	30.54	ND	ND	290.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	320.97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	320.97	28.49	ND	ND	292.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	320.97	30.29	ND	ND	290.68	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/2/2015	320.97	31.76	ND	ND	289.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	320.97	29.04	ND	ND	291.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	320.97	28.32	ND	ND	292.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	320.97	29.38	ND	ND	291.59	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/13/2016	320.97	32.49	ND	ND	288.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	320.97	33.06	ND	ND	287.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	320.97	31.59	ND	ND	289.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	320.97	32.16	ND	ND	288.81	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	0	0	0	0	0	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-23D	5/19/2014	324.81	27.72	ND	ND	297.09	ND(10)	ND(10)	ND(10)	ND(10)	8000	1800	260	ND(10)	120	Screened from 90-100'
	6/10/2014	324.81	27.34	ND	ND	297.47	ND(20)	ND(20)	ND(20)	ND(20)	11000	2200	340	ND(20)	180	
	6/19/2014	324.81	27.19	ND	ND	297.62	ND(10)	ND(10)	ND(10)	ND(10)	5100	ND(200)	130	ND(10)	57	
	8/20/2014	324.81	28.42	ND	ND	296.39	ND(10)	ND(10)	ND(10)	ND(10)	10000	2100	270	ND(10)	140	
	9/3/2014	324.81	29.86	ND	ND	294.95	ND(20)	ND(20)	ND(20)	ND(20)	9300	1700	280	ND(20)	130	
	9/22/2014	324.81	32.83	ND	ND	291.98	ND(5)	ND(5)	ND(5)	ND(5)	4600	950	NA	NA	NA	
	10/21/2014	324.81	33.46	ND	ND	291.35	ND(10)	ND(10)	ND(10)	ND(10)	4100	790	120	ND(10)	68	
	12/10/2014	324.81	34.79	ND	ND	290.02	ND(1)	ND(1)	ND(1)	ND(1)	400	24	21	ND(1)	6	
	3/11/2015	324.81	33.63	ND	ND	291.18	ND(1)	27	ND(1)	2	200	32	11	ND(1)	2	
	6/3/2015	324.81	32.59	ND	ND	292.22	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	3	ND(1)	ND(1)	
	9/4/2015	324.81	35.85	ND	ND	288.96	ND(1)	ND(1)	ND(1)	ND(1)	53	ND(20)	4	ND(1)	ND(1)	
	12/2/2015	324.81	35.39	ND	ND	289.42	ND(1)	1	ND(1)	ND(1)	120	ND(20)	3	ND(1)	1	
	2/12/2016	324.81	31.55	ND	ND	293.26	ND(1)	ND(1)	ND(1)	ND(1)	87	ND(20)	3	ND(1)	ND(1)	
	3/16/2016	324.81	33.78	ND	ND	291.03	ND(1)	ND(1)	ND(1)	ND(1)	16	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	324.81	29.94	ND	ND	294.87	ND(1)	ND(1)	ND(1)	ND(1)	36	ND(20)	2	ND(1)	ND(1)	
	8/18/2016	324.81	34.12	ND	ND	290.69	ND(1)	ND(1)	ND(1)	ND(1)	70	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	324.81	32.20	ND	ND	292.61	ND(1)	ND(1)	ND(1)	ND(1)	67	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	324.81	31.87	ND	ND	292.94	ND(1)	ND(1)	ND(1)	ND(1)	47	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	324.81	33.05	ND	ND	291.76	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	8/29/2017	324.81	35.31	ND	ND	289.50	ND(1)	2	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
<b>Mann-Kendall Statistic</b>								0	6	0	-7	-82	-63	-83	0	-56

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-24	4/11/2014	324.49	27.66	ND	ND	296.83	ND(1)	1	ND(1)	ND(1)	29	ND(20)	1	ND(1)	ND(1)	Screened from 50-60'
	6/18/2014	324.49	26.39	ND	ND	298.10	ND(1)	ND(1)	ND(1)	ND(1)	21	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	324.49	29.30	ND	ND	295.19	ND(1)	ND(1)	ND(1)	ND(1)	21	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	324.49	33.93	ND	ND	290.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	324.49	33.66	ND	ND	290.83	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	6/3/2015	324.49	32.51	ND	ND	291.98	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/4/2015	324.49	35.15	ND	ND	289.34	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	324.49	35.09	ND	ND	289.40	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	324.49	33.35	ND	ND	291.14	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	324.49	29.28	ND	ND	295.21	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	8/18/2016	324.49	33.25	ND	ND	291.24	ND(1)	ND(1)	ND(1)	ND(1)	10	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	324.49	31.57	ND	ND	292.92	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	324.49	31.22	ND	ND	293.27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	324.49	32.39	ND	ND	292.10	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	8/29/2017	324.49	34.90	ND	ND	289.59	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	-12	0	0	-32	0	-12	0	0	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-25D(90)	8/20/2014	323.92	22.06	ND	ND	301.86	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2014	317.18	22.63	ND	ND	294.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/9/2014	317.18	25.04	ND	ND	292.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/10/2015	317.18	23.25	ND	ND	293.93	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/2/2015	317.18	23.76	ND	ND	293.42	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2015	317.18	26.12	ND	ND	291.06	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/1/2015	317.18	37.27	ND	ND	279.91	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/16/2016	317.18	24.33	ND	ND	292.85	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	5/2/2016	317.18	22.37	ND	ND	294.81	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	8/17/2016	317.18	25.27	ND	ND	291.91	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/14/2016	317.18	24.50	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/16/2017	317.18	24.11	ND	ND	293.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/22/2017	317.18	24.40	ND	ND	292.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	8/28/2017	317.18	25.40	ND	ND	291.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	0	0	0	0	0	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-26D(78)	8/26/2014	295.13	2.63	ND	ND	292.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/2/2014	295.13	2.68	ND	ND	292.45	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	295.13	2.46	ND	ND	292.67	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/10/2015	295.13	1.98	ND	ND	293.15	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2015	295.13	1.82	ND	ND	293.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	295.13	2.08	ND	ND	293.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	295.13	3.52	ND	ND	291.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	295.13	1.97	ND	ND	293.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	295.13	1.65	ND	ND	293.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	295.13	3.43	ND	ND	291.70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	295.13	3.59	ND	ND	291.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	295.13	3.33	ND	ND	291.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	295.13	3.19	ND	ND	291.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	295.13	3.62	ND	ND	291.51	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	0	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-27S	8/26/2014	323.40	28.42	ND	ND	294.98	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	9/2/2014	323.40	28.88	ND	ND	294.52	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	323.40	32.28	ND	ND	291.12	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/11/2015	323.40	32.35	ND	ND	291.05	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	6/3/2015	323.40	30.72	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2015	323.40	32.46	ND	ND	290.94	ND(1)	ND(1)	ND(1)	7	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	323.40	33.80	ND	ND	289.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	323.40	30.99	ND	ND	292.41	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	323.40	29.95	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	8/18/2016	323.40	31.33	ND	ND	292.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	323.40	32.42	ND	ND	290.98	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	323.40	33.77	ND	ND	289.63	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	323.40	32.77	ND	ND	290.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	323.40	33.62	ND	ND	289.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	-1	-28	0	0	0	0	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-27I	8/26/2014	323.35	28.26	ND	ND	295.09	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	9/2/2014	323.35	27.69	ND	ND	295.66	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	323.35	32.31	ND	ND	291.04	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	3/11/2015	323.35	32.39	ND	ND	290.96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/3/2015	323.35	30.75	ND	ND	292.60	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2015	323.35	32.41	ND	ND	290.94	ND(1)	ND(1)	3	38	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	323.35	33.42	ND	ND	289.93	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	323.35	31.01	ND	ND	292.34	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	323.35	29.86	ND	ND	293.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/18/2016	323.35	31.29	ND	ND	292.06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	323.35	33.39	ND	ND	289.96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	323.35	33.73	ND	ND	289.62	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	323.35	32.78	ND	ND	290.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	323.35	33.71	ND	ND	289.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	-1	-1	-27	0	0	0	0	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
PW-1(65)	6/22/2010	334.54	34.47	ND	ND	300.07	8	ND(0.7)	ND(0.8)	7	1600	NA	NA	NA	NA	
	9/30/2010	334.54	36.84	ND	ND	297.70	9	ND(0.7)	ND(0.8)	5	1600	NA	NA	NA	NA	
	12/16/2010	334.54	36.51	ND	ND	298.03	6	ND(1)	ND(2)	5	1700	NA	NA	NA	NA	
	5/24/2011	334.54	35.87	ND	ND	298.67	8 J	ND(4)	ND(4)	4 J	2100	NA	NA	NA	NA	
	9/2/2011	334.54	38.61	ND	ND	295.93	6	ND(0.7)	ND(0.8)	3 J	1800	NA	NA	NA	NA	Abandoned to 75' (Nov 2011)
	12/22/2011	334.54	36.37	ND	ND	298.17	4 J	ND(4)	ND(4)	ND(4)	1300	NA	NA	NA	NA	
	6/1/2012	334.54	36.82	ND	ND	297.72	3 J	ND(1)	ND(2)	ND(2)	860	NA	NA	NA	NA	
	2/25/2013	334.54	38.28	ND	ND	296.26	ND(5)	ND(5)	ND(5)	ND(5)	800	110	140	ND(5)	51	
	6/6/2013	334.54	37.41	ND	ND	297.13	3 J	ND(0.7)	ND(0.8)	ND(0.8)	1200	NA	NA	NA	NA	
	12/19/2013	334.54	38.60	ND	ND	295.94	ND(25)	ND(25)	ND(25)	ND(25)	4700	630	280	ND(25)	140	
	3/25/2014	334.54	36.19	ND	ND	298.35	ND(10)	ND(10)	ND(10)	ND(10)	6900	1000	290	ND(10)	180	
	6/19/2014	334.54	34.23	ND	ND	300.31	ND(5)	ND(5)	ND(5)	ND(5)	3300	420	170	ND(5)	76	
	9/10/2014	334.54	36.96	ND	ND	297.58	ND(10)	ND(10)	ND(10)	ND(10)	4600	370	210	ND(10)	120	
	12/10/2014	334.54	42.23	ND	ND	292.31	1	ND(1)	ND(1)	ND(1)	890	110	130	ND(1)	40	
	3/12/2015	334.54	43.30	ND	ND	291.24	ND(1)	ND(1)	ND(1)	ND(1)	460	70	100	ND(1)	21	
	6/3/2015	334.54	41.52	ND	ND	293.02	ND(1)	ND(1)	ND(1)	ND(1)	360	ND(20)	75	ND(1)	13	
	9/4/2015	334.54	43.42	ND	ND	291.12	ND(1)	ND(1)	ND(1)	ND(1)	150	29	36	ND(1)	4	
	12/1/2015	334.54	56.30	ND	ND	278.24	ND(1)	ND(1)	ND(1)	ND(1)	25	ND(20)	10	ND(1)	ND(1)	
	3/17/2016	334.54	41.23	ND	ND	293.31	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	9	ND(1)	ND(1)	
	5/3/2016	334.54	37.43	ND	ND	297.11	ND(1)	ND(1)	ND(1)	ND(1)	41	ND(20)	10	ND(1)	ND(1)	
	8/17/2016	334.54	41.04	ND	ND	293.50	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	5	ND(1)	ND(1)	
	12/14/2016	334.54	39.76	ND	ND	294.78	ND(1)	ND(1)	ND(1)	ND(1)	42	ND(20)	4	ND(1)	1	
	3/13/2017	333.25	38.19	ND	ND	295.06	ND(1)	ND(1)	ND(1)	ND(1)	42	ND(20)	6	ND(1)	1	
	6/22/2017	333.25	38.89	ND	ND	294.36	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	3	ND(1)	ND(1)	
	9/1/2017	333.25	40.79	ND	ND	292.46	ND(1)	ND(1)	ND(1)	ND(1)	30	ND(20)	3	ND(1)	ND(1)	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						-7	0	0	0	-84	-80	-108	0	-84	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
RW-1	3/24/2014	328.31	30.91	ND	ND	297.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	Screened from 21-91'
	6/19/2014	328.31	28.14	ND	ND	300.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/20/2014	328.31	30.26	ND	ND	298.05	ND(20)	ND(20)	ND(20)	ND(20)	19000	3800	420	ND(20)	220	
	12/11/2014	328.31	58.61	ND	ND	269.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	328.31	44.47	ND	ND	283.84	ND(20)	ND(20)	ND(20)	ND(20)	7200	1800	200	ND(20)	100	
	6/1/2015	328.31	NM	NM	NM	NM	ND(10)	ND(10)	ND(10)	ND(10)	4700	550	140	ND(10)	71	
	8/17/2015	328.31	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	ND(5)	4500	NA	NA	NA	NA	
	8/31/2015	328.31	54.69	ND	ND	273.62	ND(10)	ND(10)	ND(10)	ND(10)	4400	810	120	ND(10)	63	
	12/1/2015	328.31	NM	NM	NM	NM	2	ND(1)	ND(1)	ND(1)	3900	740	100	ND(1)	66	
	2/12/2016	328.31	34.18	ND	ND	294.13	ND(10)	ND(10)	ND(10)	ND(10)	2600	440	56	ND(10)	33	
	3/17/2016	328.31	NM	NM	NM	NM	1	ND(1)	ND(1)	ND(1)	2400	260	66	ND(1)	38	
	5/6/2016	NM	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	5	5800	860	150	ND(5)	88	
	8/16/2016	328.31	34.77	ND	ND	293.54	ND(5)	ND(5)	ND(5)	ND(5)	1900	270	56	ND(5)	24	
	12/13/2016	328.31	34.77	ND	ND	293.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	328.52	34.45	ND	ND	294.07	ND(1)	ND(1)	ND(1)	ND(1)	660	78	23	ND(1)	9	
	6/22/2017	328.52	44.33	ND	ND	284.19	ND(1)	ND(1)	ND(1)	ND(1)	1700	150	41	ND(1)	20	
	8/28/2017	328.52	45.08	ND	ND	283.44	ND(1)	ND(1)	ND(1)	ND(1)	900	58	32	ND(1)	13	
Mann-Kendall Statistic							-1	0	0	4	-62	-48	-49	0	-48	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-1	6/7/2013	328.53	34.52	ND	ND	294.01	ND(10)	ND(14)	ND(16)	ND(16)	26000	NA	NA	NA	NA	
	12/19/2013	328.53	36.11	ND	ND	292.42	ND(100)	ND(100)	ND(100)	ND(100)	13000	6900	150	ND(100)	130	
	3/25/2014	328.53	33.50	ND	ND	295.03	ND(25)	ND(25)	ND(25)	ND(25)	16000	15000	170	ND(25)	170	
	6/19/2014	328.53	29.91	ND	ND	298.62	ND(50)	ND(50)	ND(50)	ND(50)	15000	13000	130	ND(50)	140	
	9/3/2014	328.53	31.77	ND	ND	296.76	ND(20)	ND(20)	ND(20)	ND(20)	13000	8900	95	ND(20)	100	
	12/10/2014	328.53	36.07	ND	ND	292.46	ND(20)	ND(20)	ND(20)	ND(20)	18000	14000	170	ND(20)	170	
	3/12/2015	328.53	35.89	ND	ND	292.64	ND(20)	ND(20)	ND(20)	ND(20)	11000	9100	120	ND(20)	110	
	6/4/2015	328.53	34.34	ND	ND	294.19	ND(50)	ND(50)	ND(50)	ND(50)	8800	4700	98	ND(50)	84	
	9/4/2015	328.53	36.46	ND	ND	292.07	ND(10)	ND(10)	ND(10)	ND(10)	11000	7800	94	ND(10)	89	
	12/2/2015	328.53	37.57	ND	ND	290.96	ND(10)	ND(10)	ND(10)	ND(10)	16000	16000	140	ND(10)	160	
	2/12/2016	328.53	36.02	ND	ND	292.51	ND(10)	ND(10)	ND(10)	ND(10)	10000	8200	94	ND(10)	90	
	3/17/2016	328.53	34.72	ND	ND	293.81	ND(1)	ND(1)	ND(1)	ND(1)	9800	7800	110	4	100	
	5/4/2016	328.53	33.16	ND	ND	295.37	ND(10)	ND(10)	ND(10)	ND(10)	13000	8100	140	ND(10)	110	
	6/27/2016	328.53	34.09	ND	ND	294.44	ND(5)	ND(5)	ND(5)	ND(5)	6400	NA	NA	NA	NA	
	8/19/2016	328.53	35.04	ND	ND	293.49	ND(10)	ND(10)	ND(10)	ND(10)	8400	4000	83	ND(10)	81	
	12/15/2016	328.53	36.54	ND	ND	291.99	ND(20)	ND(20)	ND(20)	ND(20)	9900	9000	88	ND(20)	77	
	3/16/2017	328.53	36.66	ND	ND	291.87	ND(5)	ND(5)	ND(5)	ND(5)	7600	6500	84	ND(5)	71	
	6/22/2017	328.53	35.97	ND	ND	292.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	328.53	37.11	ND	ND	291.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
<b>Mann-Kendall Statistic</b>							0	0	0	0	-47	-27	-32	4	-38	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-2	6/7/2013	329.47	35.30	ND	ND	294.17	ND(5)	ND(7)	ND(8)	ND(8)	14000	NA	NA	NA	NA	
	12/19/2013	329.47	36.82	ND	ND	292.65	ND(50)	ND(50)	ND(50)	ND(50)	7700	ND(800)	130	ND(50)	74	
	3/25/2014	329.47	34.26	ND	ND	295.21	ND(100)	ND(100)	ND(100)	ND(100)	7000	ND(1600)	130	ND(100)	ND(100)	
	6/19/2014	329.47	30.74	ND	ND	298.73	ND(10)	ND(10)	ND(10)	ND(10)	5000	ND(200)	39	ND(10)	38	
	9/3/2014	329.47	32.64	ND	ND	296.83	ND(10)	ND(10)	ND(10)	ND(10)	3900	ND(200)	21	ND(10)	27	
	12/10/2014	329.47	36.75	ND	ND	292.72	ND(2)	ND(2)	ND(2)	ND(2)	2100	ND(40)	25	ND(2)	18	
	3/11/2015	329.47	36.74	ND	ND	292.73	ND(2)	ND(2)	ND(2)	ND(2)	1000	84	20	ND(2)	9	
	6/3/2015	329.47	35.19	ND	ND	294.28	ND(5)	ND(5)	ND(5)	ND(5)	1400	ND(100)	15	ND(5)	11	
	9/4/2015	329.47	DRY	DRY	DRY	DRY	ND(1)	ND(1)	ND(1)	ND(1)	1100	ND(20)	22	ND(1)	9	
	12/2/2015	329.47	38.42	ND	ND	291.05	ND(1)	ND(1)	ND(1)	ND(1)	440	ND(20)	16	ND(1)	3	
	3/17/2016	329.47	35.81	ND	ND	293.66	ND(1)	ND(1)	ND(1)	ND(1)	970	ND(20)	32	ND(1)	9	
	5/3/2016	329.47	34.06	ND	ND	295.41	ND(1)	ND(1)	ND(1)	ND(1)	580	ND(20)	33	ND(1)	4	
	8/18/2016	329.47	35.86	ND	ND	293.61	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	14	ND(1)	1	
	12/15/2016	329.47	37.30	ND	ND	292.17	ND(1)	ND(1)	ND(1)	ND(1)	170	36	12	ND(1)	1	
	3/16/2017	329.47	37.35	ND	ND	292.12	ND(1)	ND(1)	ND(1)	ND(1)	240	82	12	ND(1)	2	
	6/22/2017	329.47	36.74	ND	ND	292.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.47	37.90	ND	ND	291.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	
<b>Mann-Kendall Statistic</b>							0	0	0	0	-79	20	-53	0	-53	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-3	6/7/2013	330.14	35.84	ND	ND	294.30	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	12/18/2013	330.14	37.22	ND	ND	292.92	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)
	3/24/2014	330.14	34.57	ND	ND	295.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/19/2014	330.14	31.08	ND	ND	299.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/3/2014	330.14	33.20	ND	ND	296.94	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/9/2014	330.14	37.11	ND	ND	293.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/2015	330.14	35.61	ND	ND	294.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/4/2015	330.14	35.69	ND	ND	294.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2015	330.14	37.66	ND	ND	292.48	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/2/2015	330.14	38.92	ND	ND	291.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/2016	330.14	36.24	ND	ND	293.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/2/2016	330.14	34.68	ND	ND	295.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/18/2016	330.14	36.24	ND	ND	293.90	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/13/2016	330.14	37.94	ND	ND	292.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2017	330.14	37.32	ND	ND	292.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/28/2017	330.14	38.42	ND	ND	291.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>Mann-Kendall Statistic</b>						0	0	0	0	-1	0	0	0	0	0	0

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-4	6/7/2013	327.67	34.08	ND	ND	293.59	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	327.67	35.91	ND	ND	291.76	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)
	3/24/2014	327.67	33.24	ND	ND	294.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/19/2014	327.67	29.62	ND	ND	298.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/8/2014	327.67	31.54	ND	ND	296.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/9/2014	327.67	35.98	ND	ND	291.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/2015	327.67	35.09	ND	ND	292.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/4/2015	327.67	33.00	ND	ND	294.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/2/2015	327.67	34.91	ND	ND	292.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/2/2015	327.67	36.46	ND	ND	291.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/2016	327.67	33.62	ND	ND	294.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/2/2016	327.67	31.32	ND	ND	296.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/18/2016	327.67	33.90	ND	ND	293.77	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/13/2016	327.67	36.26	ND	ND	291.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/13/2017	327.67	36.76	ND	ND	290.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2017	327.67	35.44	ND	ND	292.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/28/2017	327.67	36.23	ND	ND	291.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>Mann-Kendall Statistic</b>							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-5	6/7/2013	327.81	35.30	ND	ND	292.51	180	96	270	11000	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	327.81	37.46	ND	ND	290.35	290	160	860	6000	ND(13)	ND(200)	ND(13)	ND(13)	ND(13)	
	3/24/2014	327.81	34.75	ND	ND	293.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	327.81	31.23	ND	ND	296.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/8/2014	327.81	31.98	ND	ND	295.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	327.81	37.19	ND	ND	290.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	327.81	37.15	ND	ND	290.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	327.81	33.47	ND	ND	294.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	327.81	35.20	ND	ND	292.61	240	210	790	7600	ND(1)	51	ND(1)	ND(1)	ND(1)	
	12/2/2015	327.81	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	327.81	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	327.81	33.33	ND	ND	294.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	327.81	34.50	ND	ND	293.31	210	330	700	5400	ND(2)	58	ND(2)	ND(2)	ND(2)	
	12/13/2016	327.81	37.60	ND	ND	290.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	327.81	38.22	ND	ND	289.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	327.81	36.49	ND	ND	291.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	327.81	37.14	ND	ND	290.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
<b>Mann-Kendall Statistic</b>							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-6	6/7/2013	325.21	31.12	ND	ND	294.09	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	6	NA	NA	NA	NA	
	12/18/2013	325.21	32.12	ND	ND	293.09	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)
	3/25/2014	325.21	29.37	ND	ND	295.84	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)
	6/18/2014	325.21	26.56	ND	ND	298.65	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	9/3/2014	325.21	26.98	ND	ND	298.23	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/9/2014	325.21	30.37	ND	ND	294.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	3/11/2015	325.21	25.36	ND	ND	299.85	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	6/2/2015	325.21	31.07	ND	ND	294.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	9/3/2015	325.21	34.37	ND	ND	290.84	1	1	3	40	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/1/2015	325.21	34.34	ND	ND	290.87	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	3/16/2016	325.21	31.65	ND	ND	293.56	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	5/2/2016	325.21	29.96	ND	ND	295.25	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	8/17/2016	325.21	31.73	ND	ND	293.48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/14/2016	325.21	33.20	ND	ND	292.01	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	3/16/2017	325.21	33.32	ND	ND	291.89	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	6/22/2017	325.21	32.70	ND	ND	292.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/28/2017	325.21	33.86	ND	ND	291.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>Mann-Kendall Statistic</b>							1	1	1	1	0	0	0	0	0	0

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**  
 Inactive Fairfax Facility #26140  
 9901 Georgetown Pike  
 Great Falls, Virginia  
 June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-7	6/6/2013	329.77	37.04	ND	ND	292.73	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	329.77	38.24	ND	ND	291.53	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)
	3/24/2014	329.77	35.60	ND	ND	294.17	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)
	6/18/2014	329.77	32.49	ND	ND	297.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	9/3/2014	329.77	34.24	ND	ND	295.53	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/9/2014	329.77	37.70	ND	ND	292.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	3/10/2015	329.77	37.74	ND	ND	292.03	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	6/2/2015	329.77	34.60	ND	ND	295.17	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	9/3/2015	329.77	37.95	ND	ND	291.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/1/2015	329.77	39.19	ND	ND	290.58	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	3/16/2016	329.77	36.46	ND	ND	293.31	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	5/2/2016	329.77	34.42	ND	ND	295.35	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	8/17/2016	329.77	36.72	ND	ND	293.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/14/2016	329.77	39.05	ND	ND	290.72	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	3/16/2017	329.77	39.39	ND	ND	290.38	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	6/22/2017	329.77	38.31	ND	ND	291.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/28/2017	329.77	39.14	ND	ND	290.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>Mann-Kendall Statistic</b>							0	0	0	0	0	0	0	0	0	0

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFSCMW-2	3/24/2014	316.79	30.18	ND	ND	286.61	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Interval not available
	6/19/2014	316.79	29.12	ND	ND	287.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	316.79	27.99	ND	ND	288.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	316.79	29.38	ND	ND	287.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	316.79	29.89	ND	ND	286.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	316.79	29.82	ND	ND	286.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	316.79	30.75	ND	ND	286.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFSCMW-3	3/24/2014	319.78	29.14	ND	ND	290.64	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Interval not available
	6/19/2014	319.78	28.42	ND	ND	291.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	319.78	27.24	ND	ND	292.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	319.78	34.56	ND	ND	285.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	319.78	27.82	ND	ND	291.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	319.78	29.81	ND	ND	289.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	319.78	28.65	ND	ND	291.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	319.78	28.20	ND	ND	291.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	319.78	28.90	ND	ND	290.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	319.78	32.43	ND	ND	287.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	319.78	31.36	ND	ND	288.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	319.78	31.54	ND	ND	288.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFGPMW-4	3/24/2014	310.10	18.87	ND	ND	291.23	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Screened from 5.5-20.5'
	6/19/2014	310.10	17.21	ND	ND	292.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	310.10	18.39	ND	ND	291.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

**Table 3 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike  
Great Falls, Virginia  
June 22, 2010 through September 1, 2017

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFGPMW-5	3/24/2014	310.72	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	Screened from 5-25'
	6/19/2014	310.72	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	310.72	22.31	ND	ND	288.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
<b>Mann-Kendall Statistic</b>							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

**Table 3 (Continued)****Groundwater Monitoring & Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

June 22, 2010 through September 1, 2017

**Notes:**

µg/L - micrograms per liter (µg/L)

CMT - Continuous Multichannel Tubing

DIPE - Isopropyl ether

ETBE - Ethyl tert-butyl ether

GW - Groundwater

J - Indicates an estimated value

MTBE - Methyl Tertiary Butyl Ether

NA - Not analyzed

ND - Not detected

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NM - Not monitored

NS - Not sampled

NSVD - Not surveyed to vertical datum

TAME - Tert-Amyl methyl ether

TBA - Tert-Butyl alcohol

TABLE 4

## Groundwater Recovery System Monitoring and Performance

Inactive Fairfax Facility #26140  
9901 Georgetown Pike,  
Great Falls, Virginia

August 28, 2014 through September 18, 2017

## SYSTEM OPERATING DATA:

Date	RW-1 Influent Totalizer Reading (gallons)	RW-1 Runtime (hours)	RW-1 Average Flow (gpm)	MW-16D Influent Totalizer Reading (gallons)	MW-16D Runtime (hours)	MW-16D Average Flow (gpm)	Effluent Totalizer Reading (gallons)	Gallons Treated during Period	Operating Days during Period	Average Flow (gpm)	Average Flow (gpd)	MTBE Beg. Conc. (µg/L)	MTBE End Conc. (µg/L)	Avg. Influent Total MTBE (µg/L)	MTBE Recovery Rate (lbs/hr)	MTBE Mass Recovered (lbs) during Period	MTBE Cumulative Mass Recovered (lbs)
8/28/2014	84	0	0.00	97	0	0	582	--	0.0	--	--	40,000	--	--	--	--	--
8/28/2014 <sup>1</sup>	1,338	3	7.82	97	0	0.00	NR	NR	0.1	8.35	1,338	40,000	40,000	40,000	0.17	0.45	0.45
8/29/2014 <sup>2</sup>	1,338	3	0.00	10,869	20	8.98	12,884	12,302	0.8	9.06	10,869	4,200	4,200	4,200	0.02	0.38	0.83
8/29/2014	1,361	6	0.14	10,869	20	0.00	13,599	715	0.1	4.21	6,064	40,000	60,000	50,000	0.11	0.30	1.13
9/2/2014	19,950	97	3.39	10,869	20	0.00	32,320	18,721	3.8	3.41	4,910	60,000	60,000	60,000	0.10	9.37	10.50
9/3/2014	24,901	111	5.89	10,869	20	0.00	37,020	4,700	0.6	5.60	8,057	60,000	29,000	44,500	0.12	1.75	12.24
9/4/2014	41,155	143	8.40	10,869	20	0.00	53,274	16,254	1	8.40	12,096	29,000	33,000	31,000	0.13	4.20	16.45
9/12/2014	106,698	286	7.64	10,869	20	0.00	118,402	81,382	6	9.49	13,659	33,000	33,000	33,000	0.16	22.41	38.86
9/16/2014	154,200	362	10.45	10,869	20	0.00	165,065	46,663	3.7	8.74	12,583	33,000	21,000	27,000	0.12	10.51	49.37
9/22/2014	228,617	506	8.61	10,869	20	0.00	238,365	73,300	6.0	8.48	12,217	21,000	21,000	21,000	0.09	12.84	62.22
9/30/2014	317,802	684	8.35	10,869	20	0.00	327,777	89,412	7.4	8.37	12,056	21,000	21,000	21,000	0.09	15.67	77.88
10/6/2014	388,909	827	8.29	10,869	20	0.00	399,420	71,643	6.0	8.35	12,024	21,000	16,000	18,500	0.08	11.06	88.94
10/13/2014	468,702	988	8.26	10,869	20	0.00	479,111	79,691	6.7	8.25	11,879	16,000	16,000	16,000	0.07	10.64	99.58
10/20/2014	552,099	1,157	8.22	10,869	20	0.00	561,935	82,824	7.0	8.17	11,762	16,000	17,000	16,500	0.07	11.40	110.99
10/27/2014	634,476	1,318	8.53	10,869	20	0.00	644,143	82,208	6.7	8.51	12,255	17,000	17,000	17,000	0.07	11.66	122.65
11/6/2014	741,202	1,533	8.27	10,869	20	0.00	750,608	106,465	9.0	8.25	11,884	17,000	12,000	14,500	0.06	12.88	135.53
11/18/2014	839,069	1,734	8.12	10,869	20	0.00	848,425	97,817	8.4	8.11	11,680	12,000	12,000	12,000	0.05	9.79	145.32
11/25/2014	918,427	1,896	8.16	10,869	20	0.00	927,265	78,840	6.8	8.11	11,680	12,000	12,000	12,000	0.05	7.89	153.22
11/26/2014	922,579	1,903	9.89	10,869	20	0.00	930,784	3,519	0.3	8.38	12,065	12,000	12,000	12,000	0.05	0.35	153.57
12/3/2014	991,666	2,045	8.11	10,869	20	0.00	995,891	65,107	5.9	7.64	11,004	12,000	12,000	12,000	0.05	6.52	160.09
12/17/2014	1,125,750	2,383	6.61	10,869	20	0.00	1,160,620	164,729	14.1	8.12	11,697	12,000	12,000	12,000	0.05	16.49	176.58
12/29/2014	1,300,720	2,668	10.23	10,869	20	0.00	1,299,310	138,690	11.9	8.11	11,679	12,000	8,700	10,350	0.04	11.98	188.56
1/5/2015	1,385,250	2,840	8.19	10,869	20	0.00	1,384,070	84,760	7.2	8.21	11,879	8,700	8,700	8,700	0.04	6.15	194.72
1/14/2015	1,488,490	3,050	8.19	10,869	20	0.00	1,488,830	104,760	8.8	8.31	11,832	8,700	8,700	8,700	0.04	7.61	202.32
1/26/2015	1,490,480	3,054	8.29	10,869	20	0.00	1,490,340	1,510	0.2	6.29	124	12,000	12,000	12,000	0.04	0.15	202.47
1/30/2015	1,562,290	3,145	13.15	10,869	20	0.00	1,535,710	45,370	3.80	8.29	11,933	12,000	12,000	12,000	0.05	4.54	207.01
2/3/2015	1,590,570	3,219	6.37	24,731	94	3.12	1,571,390	35,680	4.01	6.18	8,897	3,900	5,300	4,600	0.01	1.37	208.38
2/11/2015	1,647,930	3,408	5.06	59,978	282	3.12	1,661,500	90,110	7.98	7.84	11,285	5,300	5,300	5,300	0.02	3.99	212.37
2/20/2015	1,712,450	3,492	12.80	75,606	367	3.06	1,701,030	39,530	9.06	3.03	4,365	5,300	5,300	5,300	0.01	1.75	214.12
2/27/2015	1,757,040	3,644	4.89	105,201	520	3.22	1,760,620	59,590	7.08	5.84	8,413	5,300	5,300	5,300	0.02	2.64	216.75
3/4/2015	1,790,190	3,761	4.72	126,911	637	3.09	1,813,180	52,560	4.90	7.45	10,728	5,300	4,900	5,100	0.02	2.24	218.99
3/9/2015	1,824,630	3,884	4.67	149,977	760	3.13	1,867,980	54,800	5.18	7.35	10,585	4,900	4,900	4,900	0.02	2.24	221.23
3/17/2015	1,877,980	4,074	4.68	188,633	950	3.39	1,951,870	83,890	7.91	7.37	10,611	4,900	4,900	4,900	0.02	3.43	224.66
3/27/2015	1,945,690	4,314	4.70	234,952	1,191	3.20	2,059,280	107,410	10.04	7.43	10,700	4,900	4,900	4,900	0.02	4.39	229.05
4/1/2015	1,980,270	4,430	4.97	234,952	1,191	0.00	2,092,050	32,770	4.83	4.71	6,780	4,900	6,500	5,700	0.01	1.56	230.61

TABLE 4

## Groundwater Recovery System Monitoring and Performance

Inactive Fairfax Facility #26140  
9901 Georgetown Pike,  
Great Falls, Virginia

August 28, 2014 through September 18, 2017

## SYSTEM OPERATING DATA:

Date	RW-1 Influent Totalizer Reading (gallons)	RW-1 Runtime (hours)	RW-1 Average Flow (gpm)	MW-16D Influent Totalizer Reading (gallons)	MW-16D Runtime (hours)	MW-16D Average Flow (gpm)	Effluent Totalizer Reading (gallons)	Gallons Treated during Period	Operating Days during Period	Average Flow (gpm)	Average Flow (gpd)	MTBE Beg. Conc. (µg/L)	MTBE End Conc. (µg/L)	Avg. Influent Total MTBE (µg/L)	MTBE Recovery Rate (lbs/hr)	MTBE Mass Recovered (lbs) during Period	MTBE Cumulative Mass Recovered (lbs)
4/7/2015	1,996,540	4,483	5.12	234,952	1,191	0.00	2,107,220	15,170	2.21	4.77	6,869	6,500	6,500	6,500	0.02	0.82	231.43
4/21/2015	2,090,500	4,785	5.19	235,228	1,192	4.60	2,197,450	90,230	12.58	4.98	7,171	6,500	6,500	6,500	0.02	4.89	236.33
4/30/2015	2,141,590	4,974	4.51	273,370	1,381	3.36	2,280,320	82,870	8.79	6.55	9,427	6,500	6,500	6,500	0.02	4.49	240.82
5/6/2015	2,180,480	5,122	4.38	302,819	1,529	3.32	2,343,870	63,550	6.18	7.15	10,291	6,500	4,200	5,350	0.02	2.84	243.66
5/22/2015	2,276,900	5,504	4.21	376,197	1,910	3.21	2,501,160	157,290	15.90	6.87	9,893	4,200	4,200	4,200	0.01	5.51	249.17
6/1/2015	2,327,770	5,708	4.16	415,361	2,115	3.18	2,582,700	81,540	10.18	5.56	8,009	4,200	4,000	4,100	0.01	2.79	251.96
6/2/2015	2,330,660	5,719	4.38	417,438	2,126	3.15	2,587,170	4,470	0.46	6.77	9,753	4,000	4,000	4,000	0.01	0.15	252.11
6/4/2015	2,341,600	5,763	4.14	426,456	2,170	3.42	2,605,400	18,230	1.83	6.91	9,944	4,000	4,000	4,000	0.01	0.61	252.72
6/9/2015	2,351,070	5,800	4.27	436,307	2,207	4.44	2,622,630	17,230	1.54	7.76	11,176	4,000	4,000	4,000	0.02	0.58	253.29
6/15/2015	2,388,230	5,944	4.30	473,883	2,351	4.35	2,689,500	66,870	6.00	7.74	11,145	4,000	3,800	3,900	0.02	2.18	255.47
6/17/2015	2,394,120	5,967	4.27	479,771	2,374	4.27	2,700,110	10,610	0.96	7.69	11,071	3,800	3,800	3,800	0.01	0.34	255.81
7/2/2015	2,456,940	6,218	4.17	541,121	2,624	4.09	2,812,230	112,120	10.46	7.44	10,721	3,800	3,600	3,700	0.01	3.46	259.27
7/9/2015	2,499,270	6,386	4.20	578,973	2,793	3.73	2,883,620	71,390	7.00	7.08	10,199	3,600	4,000	3,800	0.01	2.26	261.53
7/14/2015	2,546,580	6,507	6.52	603,518	2,914	3.38	2,950,570	66,950	5.04	9.22	13,279	4,000	4,000	4,000	0.02	2.23	263.77
8/3/2015	2,736,220	6,988	6.57	678,526	3,395	2.60	3,193,030	242,460	20.04	8.40	12,098	4,000	4,400	4,200	0.02	8.50	272.26
8/17/2015	2,877,480	7,325	6.99	722,491	3,732	2.17	3,363,080	170,050	14.04	8.41	12,110	4,000	3,300	3,650	0.02	5.18	277.44
9/1/2015	3,026,620	7,685	6.90	760,311	4,092	1.75	3,534,960	171,880	15.00	7.96	11,459	3,300	3,300	3,300	0.01	4.73	282.18
9/15/2015	3,158,520	8,018	6.60	787,720	4,424	1.38	3,685,170	150,210	13.88	7.52	10,826	3,300	3,400	3,350	0.01	4.20	286.37
9/22/2015	3,222,530	8,188	6.28	799,479	4,595	1.15	3,758,660	73,490	7.08	7.20	10,375	3,300	3,400	3,350	0.01	2.05	288.43
9/25/2015	3,228,370	8,204	6.08	803,832	4,611	4.53	3,767,940	9,280	0.67	9.67	13,920	3,300	3,400	3,350	0.02	0.26	288.69
9/29/2015	3,257,360	8,301	4.98	830,472	4,707	4.63	3,819,140	51,200	4.04	8.80	12,668	3,300	3,400	3,350	0.01	1.43	290.12
10/5/2015	3,300,270	8,444	5.00	872,488	4,851	4.86	3,895,190	76,050	5.96	8.86	12,764	3,400	2,800	3,100	0.01	1.97	292.09
10/15/2015	3,371,850	8,682	5.01	946,992	5,089	5.22	4,021,980	126,790	9.92	8.88	12,786	2,800	1,800	2,300	0.01	2.43	294.52
11/2/2015	3,493,100	9,098	4.86	1,084,290	5,505	5.50	4,243,880	221,900	17.33	8.89	12,802	1,800	1,500	1,650	0.01	3.06	297.58
11/17/2015	3,581,660	9,385	5.14	1,183,850	5,792	5.78	4,405,660	161,780	11.96	9.39	13,529	1,500	1,500	1,500	0.01	2.02	299.60
11/30/2015	3,670,000	9,698	4.70	1,275,130	6,105	4.86	4,557,230	151,570	13.04	8.07	11,622	1,500	1,500	1,500	0.01	1.90	301.50
12/1/2015	3,677,570	9,726	4.51	1,282,870	6,133	4.61	4,570,260	13,030	1.17	7.76	11,169	1,500	2,400	1,950	0.01	0.21	301.71
12/16/2015	3,771,960	10,081	4.43	1,374,660	6,488	4.31	4,731,750	161,490	14.79	7.58	10,918	2,400	2,100	2,250	0.01	3.03	304.74
12/29/2015	3,854,020	NR	4.31	1,442,400	NR	3.56	4,867,060	135,310	13.22	7.11	10,234	2,100	2,100	2,100	0.01	2.37	307.11
1/4/2016	3,890,230	10,541	4.22	1,467,890	6,948	2.97	4,925,640	58,580	5.96	6.83	9,832	2,100	1,900	2,000	0.01	0.98	308.09
1/18/2016	4,023,750	10,862	6.93	1,540,360	7,268	3.77	5,122,310	196,670	13.38	10.21	14,704	1,900	1,600	1,750	0.01	2.87	310.96
2/12/2016	4,140,130	10,984	8.66	1,540,410	7,268	0.00	5,185,670	63,360	5.08	8.66	12,464	1,600	2,400	2,000	0.01	1.06	312.02
2/18/2016	4,208,650	11,126	8.04	1,540,410	7,268	0.00	5,258,920	73,250	5.92	8.60	12,380	2,400	2,300	2,350	0.01	1.44	313.46
2/23/2016	4,265,570	11,245	7.97	1,540,410	7,268	0.00	5,320,100	61,180	4.96	8.57	12,339	2,300	2,300	2,300	0.01	1.17	314.63
2/25/2016	4,266,490	11,246	11.33	1,540,410	7,268	0.00	5,320,780	680	0.04	11.33	16,320	2,300	2,300	2,300	0.01	0.01	314.64

TABLE 4

## Groundwater Recovery System Monitoring and Performance

Inactive Fairfax Facility #26140  
9901 Georgetown Pike,  
Great Falls, Virginia

August 28, 2014 through September 18, 2017

## SYSTEM OPERATING DATA:

Date	RW-1 Influent Totalizer Reading (gallons)	RW-1 Runtime (hours)	RW-1 Average Flow (gpm)	MW-16D Influent Totalizer Reading (gallons)	MW-16D Runtime (hours)	MW-16D Average Flow (gpm)	Effluent Totalizer Reading (gallons)	Gallons Treated during Period	Operating Days during Period	Average Flow (gpm)	Average Flow (gpd)	MTBE Beg. Conc. (µg/L)	MTBE End Conc. (µg/L)	Avg. Influent Total MTBE (µg/L)	MTBE Recovery Rate (lbs/hr)	MTBE Mass Recovered (lbs) during Period	MTBE Cumulative Mass Recovered (lbs)
3/1/2016	4,302,390	11,315	8.67	1,540,410	7,268	0.00	5,358,560	37,780	2.88	9.13	13,141	2,300	2,300	2,300	0.01	0.73	315.37
3/8/2016	4,386,640	11,478	8.61	1,540,410	7,268	0.00	5,448,350	89,790	6.79	9.18	13,221	2,300	2,300	2,300	0.01	1.72	317.09
3/17/2016	4,494,070	11,696	8.21	1,540,410	7,268	0.00	5,559,800	111,450	9.08	8.52	12,270	2,300	2,100	2,200	0.01	2.05	319.14
5/11/2016	4,496,530	11,696	0.00	1,540,700	7,268	0.00	5,560,570	0	0.00	0.00	0	2,100	2,100	2,100	0.00	0.00	319.14
5/16/2016	4,552,880	11,815	7.89	1,540,710	7,272	0.04	5,615,520	54,950	4.96	7.70	11,082	2,100	2,300	2,200	0.01	1.01	320.15
5/25/2016	4,659,230	12,039	7.91	1,540,710	7,272	0.00	5,718,590	103,070	9.33	7.67	11,043	2,300	1,900	2,100	0.01	1.81	321.95
6/2/2016	4,746,220	12,228	7.67	1,540,710	7,272	0.00	5,803,640	85,050	7.88	7.50	10,800	1,900	1,900	1,900	0.01	1.35	323.30
6/15/2016	4,891,980	12,537	7.86	1,540,710	7,272	0.00	5,947,690	144,050	12.88	7.77	11,188	1,900	1,900	1,900	0.01	2.28	325.58
6/27/2016	5,019,910	12,809	7.84	1,540,710	7,272	0.00	6,074,340	126,650	11.33	7.76	11,175	1,900	1,900	1,900	0.01	2.01	327.59
7/7/2016	5,135,070	13,052	7.90	1,540,710	7,272	0.00	6,185,200	110,860	10.13	7.60	10,949	1,900	1,700	1,800	0.01	1.67	329.26
7/15/2016	5,214,760	13,219	7.95	1,540,710	7,272	0.00	6,259,930	74,730	6.96	7.46	10,740	1,700	1,700	1,700	0.01	1.06	330.32
7/28/2016	5,258,720	13,314	7.71	1,540,710	7,272	0.00	6,302,980	43,050	3.96	7.55	10,876	1,700	1,700	1,700	0.01	0.61	330.93
7/29/2016	5,266,740	13,330	8.35	1,540,710	7,272	0.00	6,311,050	8,070	0.67	8.41	12,105	1,700	2,000	1,850	0.01	0.12	331.05
8/2/2016	5,310,860	13,422	7.99	1,540,710	7,272	0.00	6,354,430	43,380	3.83	7.86	11,317	2,000	2,000	2,000	0.01	0.72	331.78
8/19/2016	5,469,190	13,755	7.92	1,540,710	7,272	0.00	6,510,440	156,010	13.88	7.81	11,244	2,000	2,000	2,000	0.01	2.60	334.38
5/17/2017	5,469,190	13,755	0.00	1,540,900	7,272	0.00	6,510,440	0	0.00	0.00	0	2,000	1,600	1,800	0.00	0.00	334.38
5/17/2017	5,469,590	13,756	6.67	1,540,900	7,272	0.00	6,510,690	250	0.04	4.17	6,000	1,600	1,600	1,600	0.00	0.00	334.38
5/30/2017	5,564,520	14,064	5.14	1,540,900	7,272	0.00	6,607,210	96,520	12.83	5.22	7,521	1,600	1,700	1,650	0.00	1.33	335.71
6/5/2017	5,609,080	14,211	5.05	1,540,900	7,272	0.00	6,652,010	44,800	6.13	5.08	7,314	1,700	1,600	1,650	0.00	0.62	336.33
6/21/2017	5,652,080	14,355	4.98	1,540,900	7,272	0.00	6,695,500	43,490	6.00	5.03	7,248	1,700	1,600	1,650	0.00	0.60	336.93
7/6/2017	5,753,910	14,712	4.75	1,540,900	7,272	0.00	6,804,030	108,530	14.88	5.07	7,296	1,600	1,200	1,400	0.00	1.27	338.20
7/19/2017	5,838,890	15,022	4.57	1,540,900	7,272	0.00	6,893,880	89,850	12.92	4.83	6,956	1,200	1,200	1,200	0.00	0.90	339.10
8/2/2017	5,926,750	15,359	4.35	1,540,900	7,272	0.00	6,986,580	92,700	14.04	4.58	6,602	1,200	810	1,005	0.00	0.78	339.87
8/14/2017	5,939,990	15,410	4.33	1,540,900	7,272	0.00	7,000,270	13,690	2.13	4.47	6,442	810	1,200	1,005	0.00	0.11	339.99
8/23/2017	5,998,150	15,618	4.66	1,540,900	7,272	0.00	7,061,310	61,040	8.67	4.89	7,043	1,200	1,200	1,200	0.00	0.61	340.60
9/1/2017	6,056,220	15,833	4.50	1,540,900	7,272	0.00	7,122,960	61,650	8.96	4.78	6,882	1,200	800	1,000	0.00	0.51	341.11
9/18/2017	6,157,420	16,242	4.12	1,540,900	7,272	0.00	7,231,840	108,880	17.04	4.44	6,389	800	630	715	0.00	0.65	341.76

Cumulative Hydrocarbon Recovery and Discharge

Groundwater Treated/Discharged this Period (gal)	7,231,258
Total Operating Days	677
Total Days in Period	791
Run Time (%)	86%
Average Flow (gpm)	6.35
Average Flow (gpd)	9,140
Total MTBE Mass Recovered (lbs)	341.76

Second Quarter (June 21, 2017 through September 18, 2017)

Groundwater Treated/Discharged this Period (gal)	536,340
Total Operating Days	79
Total Days in Period	89
Run Time (%)	88%
Average Flow (gpm)	4.19
Average Flow (gpd)	6,035
Total MTBE Mass Recovered this Period (lbs)	4.83

**HYDROCARBON RECOVERY & DISCHARGE CALCULATION:**

Mass discharged/recovery rate (lbs/hr) = (conc.)(3.785 L/gal)(1 lb/453600000 µg)(flow rate-gpm)(60 min/hr)

Mass discharged/recovery (lbs) = (conc.)(3.785 L/gal)(1 lb/453600000 µg)(flow rate-gpd)(days operating)

Operating days are from the last monitoring event of the previous quarter to the last monitoring event of the current month.

**TABLE 4**  
**Groundwater Recovery System Monitoring and Performance**

Inactive Fairfax Facility #26140  
9901 Georgetown Pike,  
Great Falls, Virginia

August 28, 2014 through September 18, 2017

**SYSTEM OPERATING DATA:**

Date	RW-1 Influent Totalizer Reading (gallons)	RW-1 Runtime (hours)	RW-1 Average Flow (gpm)	MW-16D Influent Totalizer Reading (gallons)	MW-16D Runtime (hours)	MW-16D Average Flow (gpm)	Effluent Totalizer Reading (gallons)	Gallons Treated during Period	Operating Days during Period	Average Flow (gpm)	Average Flow (gpd)	MTBE Beg. Conc. ( $\mu\text{g/L}$ )	MTBE End Conc. ( $\mu\text{g/L}$ )	Avg. Influent Total MTBE ( $\mu\text{g/L}$ )	MTBE Recovery Rate (lbs/hr)	MTBE Mass Recovered (lbs) during Period	MTBE Cumulative Mass Recovered (lbs)
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**Notes:**

gal = gallons

gpm = gallons per minute

gpd = gallons per day

$\mu\text{g/l}$  = micrograms per liter

lbs / hr = pounds per hour

lbs = pounds

MTBE = methyl tertiary butyl ether

If compounds were detected below the laboratory recordable limits, then half of the sum of the detection limits for each compound are used in calculating hydrocarbon mass recovery.

System readings collected upon departure; gallons treated and average flow calculations determined from effluent totalizer values.

1 - Data representative of RW-1 pumping from 0800 - 1040 on 8/28/14. RW-1 pump turned off and MW-16D pump turned on at 1040 on 8/28/14.

2 - Data representative of MW-16D pumping from 1030 on 8/28/14 - 0630 on 8/29/14. MW-16D pump turned off and RW-1 pump turned on at 0630 on 8/29/14.

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## APPENDIX A

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### Lancaster Laboratories Analysis Reports – Groundwater (August 28, August 29, and September 1, 2017)



## ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Report Date: September 11, 2017

**Project: Fairfax 26140**

Account #: 12152  
Group Number: 1844306  
PO Number: 51141-318064  
State of Sample Origin: VA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Kleinfelder  
Electronic Copy To Kleinfelder  
Electronic Copy To Kleinfelder  
Electronic Copy To Kleinfelder  
Electronic Copy To Kleinfelder

Attn: Paxton Wertz  
Attn: Nathan Stevens  
Attn: Jennifer Kozak  
Attn: Venelda Williams  
Attn: Mark Steele

Respectfully Submitted,

Amek Carter  
Specialist

(717) 556-7252

**SAMPLE INFORMATION**

<u>Client Sample Description</u>	<u>Collection Information</u>	<u>ELLE#</u>
MW-17D(75) Grab Water	08/28/2017 08:35	9182701
MW-17D(81) Grab Water	08/28/2017 09:20	9182702
MW-17D(87.75) Grab Water	08/28/2017 10:15	9182703
MW-17D(92) Grab Water	08/28/2017 11:05	9182704
MW-17D(117) Grab Water	08/28/2017 12:15	9182705
MW-17D(129.75) Grab Water	08/28/2017 13:25	9182706
MW-17D(147) Grab Water	08/28/2017 14:20	9182707
SVE-2 Grab Water	08/29/2017 11:50	9182708
RW-1 Grab Water	08/28/2017 10:45	9182709
MW-5R Grab Water	08/29/2017 10:30	9182710
MW-15 Grab Water	08/29/2017 11:40	9182711
MW-19D Grab Water	08/28/2017 09:00	9182712
MW-23D Grab Water	08/29/2017 10:30	9182713
MW-10 Grab Water	08/29/2017 08:40	9182714
MW-24 Grab Water	08/29/2017 09:45	9182715
MW-18D Grab Water	08/29/2017 13:10	9182716
MW-25D (90) Grab Water	08/28/2017 14:00	9182717
MW-22 Grab Water	08/29/2017 07:48	9182718
MW-27I Grab Water	08/29/2017 09:15	9182719
MW-27S Grab Water	08/29/2017 08:35	9182720
MW-26D Grab Water	08/28/2017 12:00	9182721
MW-6S Grab Water	08/29/2017 12:40	9182722
MW-6D Grab Water	08/28/2017 15:00	9182723
MW-12D (110) Grab Water	08/28/2017 10:30	9182724

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

**Sample Description:** MW-17D(75) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182701  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 08:35 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17D75

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 40	40	2
10335	Acrolein	107-02-8	< 200	200	2
10335	Acrylonitrile	107-13-1	< 40	40	2
10335	t-Amyl methyl ether	994-05-8	<b>62</b>	2	2
10335	Benzene	71-43-2	<b>2</b>	2	2
10335	Bromodichloromethane	75-27-4	< 2	2	2
10335	Bromoform	75-25-2	< 8	8	2
10335	Bromomethane	74-83-9	< 2	2	2
10335	2-Butanone	78-93-3	< 20	20	2
10335	t-Butyl alcohol	75-65-0	<b>480</b>	40	2
10335	n-Butylbenzene	104-51-8	< 10	10	2
10335	sec-Butylbenzene	135-98-8	< 10	10	2
10335	Carbon Tetrachloride	56-23-5	< 2	2	2
10335	Chlorobenzene	108-90-7	< 2	2	2
10335	Chloroethane	75-00-3	< 2	2	2
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 20	20	2
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 2	2	2
10335	Chloromethane	74-87-3	< 2	2	2
10335	Dibromochloromethane	124-48-1	< 2	2	2
10335	1,2-Dichlorobenzene	95-50-1	< 10	10	2
10335	1,3-Dichlorobenzene	541-73-1	< 10	10	2
10335	1,4-Dichlorobenzene	106-46-7	< 10	10	2
10335	1,1-Dichloroethane	75-34-3	< 2	2	2
10335	1,2-Dichloroethane	107-06-2	< 2	2	2
10335	1,1-Dichloroethene	75-35-4	< 2	2	2
10335	cis-1,2-Dichloroethene	156-59-2	<b>90</b>	2	2
10335	trans-1,2-Dichloroethene	156-60-5	< 2	2	2
10335	1,2-Dichloropropane	78-87-5	< 2	2	2
10335	cis-1,3-Dichloropropene	10061-01-5	< 2	2	2
10335	trans-1,3-Dichloropropene	10061-02-6	< 2	2	2
10335	Ethyl t-butyl ether	637-92-3	< 2	2	2
10335	Ethylbenzene	100-41-4	< 2	2	2
10335	di-Isopropyl ether	108-20-3	<b>110</b>	2	2
10335	Isopropylbenzene	98-82-8	< 10	10	2
10335	p-Isopropyltoluene	99-87-6	< 10	10	2
10335	Methyl Tertiary Butyl Ether	1634-04-4	<b>4,000</b>	20	20
10335	Methylene Chloride	75-09-2	< 8	8	2
10335	Naphthalene	91-20-3	< 10	10	2
10335	n-Propylbenzene	103-65-1	< 10	10	2
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 2	2	2
10335	Tetrachloroethene	127-18-4	<b>3</b>	2	2
10335	Toluene	108-88-3	< 2	2	2
10335	1,1,1-Trichloroethane	71-55-6	< 2	2	2
10335	1,1,2-Trichloroethane	79-00-5	< 2	2	2
10335	Trichloroethene	79-01-6	<b>4</b>	2	2



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**Sample Description:** MW-17D(75) Grab Water  
Fairfax Petroleum 26140**ELLE Sample #** WW 9182701  
**ELLE Group #** 1844306  
**Account #** 12152**Project Name:** Fairfax 26140

Collected: 08/28/2017 08:35 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17D75

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>					
10335	Trichlorofluoromethane	75-69-4	< 2	2	2
10335	1,2,4-Trimethylbenzene	95-63-6	< 10	10	2
10335	1,3,5-Trimethylbenzene	108-67-8	< 10	10	2
10335	Vinyl Chloride	75-01-4	< 2	2	2
10335	Xylene (Total)	1330-20-7	< 2	2	2

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172491AA	09/06/2017 15:21	Nicole S Lamoreaux	2
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172491AA	09/06/2017 15:45	Nicole S Lamoreaux	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172491AA	09/06/2017 15:21	Nicole S Lamoreaux	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N172491AA	09/06/2017 15:45	Nicole S Lamoreaux	20

**Sample Description:** MW-17D(81) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182702  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 09:20 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17D81

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 40	40	2
10335	Acrolein	107-02-8	< 200	200	2
10335	Acrylonitrile	107-13-1	< 40	40	2
10335	<b>t-Amyl methyl ether</b>	994-05-8	<b>35</b>	2	2
10335	Benzene	71-43-2	< 2	2	2
10335	Bromodichloromethane	75-27-4	< 2	2	2
10335	Bromoform	75-25-2	< 8	8	2
10335	Bromomethane	74-83-9	< 2	2	2
10335	2-Butanone	78-93-3	< 20	20	2
10335	<b>t-Butyl alcohol</b>	75-65-0	<b>240</b>	40	2
10335	n-Butylbenzene	104-51-8	< 10	10	2
10335	sec-Butylbenzene	135-98-8	< 10	10	2
10335	Carbon Tetrachloride	56-23-5	< 2	2	2
10335	Chlorobenzene	108-90-7	< 2	2	2
10335	Chloroethane	75-00-3	< 2	2	2
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 20	20	2
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 2	2	2
10335	Chloromethane	74-87-3	< 2	2	2
10335	Dibromochloromethane	124-48-1	< 2	2	2
10335	1,2-Dichlorobenzene	95-50-1	< 10	10	2
10335	1,3-Dichlorobenzene	541-73-1	< 10	10	2
10335	1,4-Dichlorobenzene	106-46-7	< 10	10	2
10335	1,1-Dichloroethane	75-34-3	< 2	2	2
10335	1,2-Dichloroethane	107-06-2	< 2	2	2
10335	1,1-Dichloroethene	75-35-4	< 2	2	2
10335	<b>cis-1,2-Dichloroethene</b>	156-59-2	<b>88</b>	2	2
10335	trans-1,2-Dichloroethene	156-60-5	< 2	2	2
10335	1,2-Dichloropropane	78-87-5	< 2	2	2
10335	<b>cis-1,3-Dichloropropene</b>	10061-01-5	< 2	2	2
10335	trans-1,3-Dichloropropene	10061-02-6	< 2	2	2
10335	Ethyl t-butyl ether	637-92-3	< 2	2	2
10335	Ethylbenzene	100-41-4	< 2	2	2
10335	<b>di-Isopropyl ether</b>	108-20-3	<b>70</b>	2	2
10335	Isopropylbenzene	98-82-8	< 10	10	2
10335	p-Isopropyltoluene	99-87-6	< 10	10	2
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>2,300</b>	20	
10335	Methylene Chloride	75-09-2	< 8	8	2
10335	Naphthalene	91-20-3	< 10	10	2
10335	n-Propylbenzene	103-65-1	< 10	10	2
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 2	2	2
10335	<b>Tetrachloroethene</b>	127-18-4	<b>4</b>	2	2
10335	Toluene	108-88-3	< 2	2	2
10335	1,1,1-Trichloroethane	71-55-6	< 2	2	2
10335	1,1,2-Trichloroethane	79-00-5	< 2	2	2
10335	<b>Trichloroethene</b>	79-01-6	<b>4</b>	2	2



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**Sample Description:** MW-17D(81) Grab Water  
Fairfax Petroleum 26140**ELLE Sample #** WW 9182702  
**ELLE Group #** 1844306  
**Account #** 12152**Project Name:** Fairfax 26140

Collected: 08/28/2017 09:20 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17D81

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>					
10335	Trichlorofluoromethane	75-69-4	< 2	2	2
10335	1,2,4-Trimethylbenzene	95-63-6	< 10	10	2
10335	1,3,5-Trimethylbenzene	108-67-8	< 10	10	2
10335	Vinyl Chloride	75-01-4	< 2	2	2
10335	Xylene (Total)	1330-20-7	< 2	2	2

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172491AA	09/06/2017 16:40	Nicole S Lamoreaux	2
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172491AA	09/06/2017 17:04	Nicole S Lamoreaux	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172491AA	09/06/2017 16:40	Nicole S Lamoreaux	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N172491AA	09/06/2017 17:04	Nicole S Lamoreaux	20

**Sample Description:** MW-17D(87.75) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182703  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 10:15 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17D87

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	<b>2</b>	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	<b>cis-1,2-Dichloroethene</b>	156-59-2	<b>90</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	<b>cis-1,3-Dichloropropene</b>	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>4</b>	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	<b>Tetrachloroethene</b>	127-18-4	<b>9</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	<b>Trichloroethene</b>	79-01-6	<b>3</b>	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1

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**Sample Description:** MW-17D(87.75) Grab Water  
Fairfax Petroleum 26140**ELLE Sample #** WW 9182703  
**ELLE Group #** 1844306  
**Account #** 12152**Project Name:** Fairfax 26140

Collected: 08/28/2017 10:15 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17D87

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles SW-846 8260B		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172491AA	09/06/2017 14:34	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172491AA	09/06/2017 14:34	Nicole S Lamoreaux	1

**Sample Description:** MW-17D(92) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182704  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 11:05 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17D92

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	<b>2</b>	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	<b>cis-1,2-Dichloroethene</b>	156-59-2	<b>70</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	<b>cis-1,3-Dichloropropene</b>	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>3</b>	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	<b>Tetrachloroethene</b>	127-18-4	<b>11</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	<b>Trichloroethene</b>	79-01-6	<b>2</b>	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



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**Sample Description:** MW-17D(92) Grab Water  
Fairfax Petroleum 26140**ELLE Sample #** WW 9182704  
**ELLE Group #** 1844306  
**Account #** 12152**Project Name:** Fairfax 26140

Collected: 08/28/2017 11:05 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17D92

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles SW-846 8260B		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172501AA	09/07/2017 15:52	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172501AA	09/07/2017 15:52	Nicole S Lamoreaux	1

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**Sample Description:** MW-17D(117) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182705  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 12:15 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

11717

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	<b>25</b>	1	1
10335	Benzene	71-43-2	<b>2</b>	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	<b>190</b>	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	<b>1</b>	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	<b>110</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	<b>50</b>	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	<b>1,100</b>	10	10
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	<b>3</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	<b>2</b>	1	1

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**Sample Description:** MW-17D(117) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182705  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 12:15 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

11717

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CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>					
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

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#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172501AA	09/07/2017 16:15	Nicole S Lamoreaux	1
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172501AA	09/07/2017 16:39	Nicole S Lamoreaux	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172501AA	09/07/2017 16:15	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N172501AA	09/07/2017 16:39	Nicole S Lamoreaux	10

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**Sample Description:** MW-17D(129.75) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182706  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 13:25 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17129

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 40	40	2
10335	Acrolein	107-02-8	< 200	200	2
10335	Acrylonitrile	107-13-1	< 40	40	2
10335	t-Amyl methyl ether	994-05-8	<b>80</b>	2	2
10335	Benzene	71-43-2	<b>2</b>	2	2
10335	Bromodichloromethane	75-27-4	< 2	2	2
10335	Bromoform	75-25-2	< 8	8	2
10335	Bromomethane	74-83-9	< 2	2	2
10335	2-Butanone	78-93-3	< 20	20	2
10335	t-Butyl alcohol	75-65-0	<b>730</b>	40	2
10335	n-Butylbenzene	104-51-8	< 10	10	2
10335	sec-Butylbenzene	135-98-8	< 10	10	2
10335	Carbon Tetrachloride	56-23-5	< 2	2	2
10335	Chlorobenzene	108-90-7	< 2	2	2
10335	Chloroethane	75-00-3	< 2	2	2
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 20	20	2
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 2	2	2
10335	Chloromethane	74-87-3	< 2	2	2
10335	Dibromochloromethane	124-48-1	< 2	2	2
10335	1,2-Dichlorobenzene	95-50-1	< 10	10	2
10335	1,3-Dichlorobenzene	541-73-1	< 10	10	2
10335	1,4-Dichlorobenzene	106-46-7	< 10	10	2
10335	1,1-Dichloroethane	75-34-3	< 2	2	2
10335	1,2-Dichloroethane	107-06-2	< 2	2	2
10335	1,1-Dichloroethene	75-35-4	< 2	2	2
10335	cis-1,2-Dichloroethene	156-59-2	<b>91</b>	2	2
10335	trans-1,2-Dichloroethene	156-60-5	< 2	2	2
10335	1,2-Dichloropropane	78-87-5	< 2	2	2
10335	cis-1,3-Dichloropropene	10061-01-5	< 2	2	2
10335	trans-1,3-Dichloropropene	10061-02-6	< 2	2	2
10335	Ethyl t-butyl ether	637-92-3	< 2	2	2
10335	Ethylbenzene	100-41-4	< 2	2	2
10335	di-Isopropyl ether	108-20-3	<b>140</b>	2	2
10335	Isopropylbenzene	98-82-8	< 10	10	2
10335	p-Isopropyltoluene	99-87-6	< 10	10	2
10335	Methyl Tertiary Butyl Ether	1634-04-4	<b>4,300</b>	20	20
10335	Methylene Chloride	75-09-2	< 8	8	2
10335	Naphthalene	91-20-3	< 10	10	2
10335	n-Propylbenzene	103-65-1	< 10	10	2
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 2	2	2
10335	Tetrachloroethene	127-18-4	< 2	2	2
10335	Toluene	108-88-3	< 2	2	2
10335	1,1,1-Trichloroethane	71-55-6	< 2	2	2
10335	1,1,2-Trichloroethane	79-00-5	< 2	2	2
10335	Trichloroethene	79-01-6	< 2	2	2
10335	Trichlorofluoromethane	75-69-4	< 2	2	2

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**Sample Description:** MW-17D(129.75) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182706  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 13:25 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17129

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CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 10	10	2
10335	1,3,5-Trimethylbenzene	108-67-8	< 10	10	2
10335	Vinyl Chloride	75-01-4	< 2	2	2
10335	Xylene (Total)	1330-20-7	< 2	2	2

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#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172501AA	09/07/2017 17:02	Nicole S Lamoreaux	2
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172501AA	09/07/2017 17:25	Nicole S Lamoreaux	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172501AA	09/07/2017 17:02	Nicole S Lamoreaux	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N172501AA	09/07/2017 17:25	Nicole S Lamoreaux	20

**Sample Description:** MW-17D(147) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182707  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 14:20 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17147

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	<b>37</b>	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	<b>1,200</b>	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	<b>10</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	<b>52</b>	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	<b>1,600</b>	10	10
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



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Sample Description: MW-17D(147) Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182707  
ELLE Group # 1844306  
Account # 12152

Project Name: Fairfax 26140

Collected: 08/28/2017 14:20 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

17147

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172501AA	09/07/2017 17:49	Nicole S Lamoreaux	1
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172501AA	09/07/2017 18:12	Nicole S Lamoreaux	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172501AA	09/07/2017 17:49	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N172501AA	09/07/2017 18:12	Nicole S Lamoreaux	10

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**Sample Description:** SVE-2 Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182708  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/29/2017 11:50 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FPSV2

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1



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**Sample Description:** SVE-2 Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182708  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/29/2017 11:50 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FPSV2

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 01:35	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 01:35	Don V Viray	1

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**Sample Description:** RW-1 Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182709  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 10:45 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FPRW1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	<b>13</b>	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	<b>58</b>	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	<b>1</b>	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	<b>46</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	<b>32</b>	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	<b>900</b>	10	10
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	<b>18</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	<b>2</b>	1	1



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**Sample Description:** RW-1 Grab Water  
Fairfax Petroleum 26140**ELLE Sample #** WW 9182709  
**ELLE Group #** 1844306  
**Account #** 12152**Project Name:** Fairfax 26140

Collected: 08/28/2017 10:45 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FPRW1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>					
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172501AA	09/07/2017 18:36	Nicole S Lamoreaux	1
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172501AA	09/07/2017 18:59	Nicole S Lamoreaux	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172501AA	09/07/2017 18:36	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N172501AA	09/07/2017 18:59	Nicole S Lamoreaux	10

**Sample Description:** MW-5R Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182710  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/29/2017 10:30 by EM

Kleinfelder

Submitted: 08/30/2017 15:50

550 West C Street, Suite 1200  
San Diego CA 92101

Reported: 09/11/2017 14:19

FP-5R

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	<b>Tetrachloroethene</b>	127-18-4	<b>6</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1

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**Sample Description:** MW-5R Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182710  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/29/2017 10:30 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP-5R

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 01:59	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 01:59	Don V Viray	1

**Sample Description:** MW-15 Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182711  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/29/2017 11:40 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP-15

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>1</b>	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1

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**Sample Description:** MW-15 Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182711  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/29/2017 11:40 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP-15

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 02:22	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 02:22	Don V Viray	1

**Sample Description:** MW-19D Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182712  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 09:00 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP19D

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	<b>11</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	<b>2</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	<b>2</b>	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1

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**Sample Description:** MW-19D Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182712  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/28/2017 09:00 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP19D

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172501AA	09/07/2017 19:23	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172501AA	09/07/2017 19:23	Nicole S Lamoreaux	1

**Sample Description:** MW-23D Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182713  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/29/2017 10:30 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP23D

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	<b>1</b>	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	<b>cis-1,2-Dichloroethene</b>	156-59-2	<b>15</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	<b>cis-1,3-Dichloropropene</b>	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	<b>Tetrachloroethene</b>	127-18-4	<b>20</b>	1	1
10335	Toluene	108-88-3	<b>2</b>	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1

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**Sample Description:** MW-23D Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182713  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/29/2017 10:30 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP23D

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 02:45	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 02:45	Don V Viray	1

**Sample Description:** MW-10 Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182714  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/29/2017 08:40 by EM

Kleinfelder

Submitted: 08/30/2017 15:50

550 West C Street, Suite 1200  
San Diego CA 92101

Reported: 09/11/2017 14:19

FP-10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	8	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



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**Sample Description:** MW-10 Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182714  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/29/2017 08:40 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP-10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 03:08	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 03:08	Don V Viray	1

**Sample Description:** MW-24 Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182715  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/29/2017 09:45 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP-24

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	88	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	2	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	5	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	2	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



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**Sample Description:** MW-24 Grab Water  
Fairfax Petroleum 26140**ELLE Sample #** WW 9182715  
**ELLE Group #** 1844306  
**Account #** 12152**Project Name:** Fairfax 26140

Collected: 08/29/2017 09:45 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP-24

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 03:31	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 03:31	Don V Viray	1

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**Sample Description:** MW-18D Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182716  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/29/2017 13:10 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP18D

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	8	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1

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**Sample Description:** MW-18D Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182716  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/29/2017 13:10 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP18D

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 03:54	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 03:54	Don V Viray	1

**Sample Description:** MW-25D (90) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182717  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 14:00 by EM

Kleinfelder

Submitted: 08/30/2017 15:50

550 West C Street, Suite 1200  
San Diego CA 92101

Reported: 09/11/2017 14:19

25D90

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1



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**Sample Description:** MW-25D (90) Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182717  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/28/2017 14:00 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

25D90

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 04:18	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 04:18	Don V Viray	1



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**Sample Description:** MW-22 Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182718  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/29/2017 07:48 by EM

Kleinfelder

Submitted: 08/30/2017 15:50

550 West C Street, Suite 1200  
San Diego CA 92101

Reported: 09/11/2017 14:19

FP-22

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N172503AA	09/08/2017 04:41	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 04:41	Don V Viray	1



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**Sample Description:** MW-27I Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182719  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/29/2017 09:15 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP27I

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N172503AA	09/08/2017 05:05	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 05:05	Don V Viray	1



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**Sample Description:** MW-27S Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182720  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/29/2017 08:35 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP27S

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>					
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N172503AA	09/08/2017 05:28	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 05:28	Don V Viray	1

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

**Sample Description:** MW-26D Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182721  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 12:00 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP26D

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1



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**Sample Description:** MW-26D Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182721  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/28/2017 12:00 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP26D

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 05:51	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 05:51	Don V Viray	1

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**Sample Description:** MW-6S Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182722  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/29/2017 12:40 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP-6S

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	<b>1</b>	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	<b>3</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1

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**Sample Description:** MW-6S Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182722  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/29/2017 12:40 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP-6S

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 06:15	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 06:15	Don V Viray	1

**Sample Description:** MW-6D Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182723  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 15:00 by EM

Kleinfelder

Submitted: 08/30/2017 15:50

550 West C Street, Suite 1200  
San Diego CA 92101

Reported: 09/11/2017 14:19

FP-6D

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1



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**Sample Description:** MW-6D Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182723  
ELLE Group # 1844306  
Account # 12152**Project Name:** Fairfax 26140

Collected: 08/28/2017 15:00 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

FP-6D

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 06:38	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 06:38	Don V Viray	1

**Sample Description:** MW-12D (110) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9182724  
ELLE Group # 1844306  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 08/28/2017 10:30 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

12110

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1



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Sample Description: MW-12D (110) Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9182724  
ELLE Group # 1844306  
Account # 12152

Project Name: Fairfax 26140

Collected: 08/28/2017 10:30 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/30/2017 15:50

Reported: 09/11/2017 14:19

12110

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	N172503AA	09/08/2017 07:02	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N172503AA	09/08/2017 07:02	Don V Viray	1

**Quality Control Summary**

Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

**Method Blank**

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: N172491AA	Sample number(s): 9182701-9182703	
Acetone	< 20	20
Acrolein	< 100	100
Acrylonitrile	< 20	20
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
Bromodichloromethane	< 1	1
Bromoform	< 4	4
Bromomethane	< 1	1
2-Butanone	< 10	10
t-Butyl alcohol	< 20	20
n-Butylbenzene	< 5	5
sec-Butylbenzene	< 5	5
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
2-Chloroethyl Vinyl Ether	< 10	10
Chloroform	< 1	1
Chloromethane	< 1	1
Dibromochloromethane	< 1	1
1,2-Dichlorobenzene	< 5	5
1,3-Dichlorobenzene	< 5	5
1,4-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 1	1
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
cis-1,3-Dichloropropene	< 1	1
trans-1,3-Dichloropropene	< 1	1
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Isopropylbenzene	< 5	5
p-Isopropyltoluene	< 5	5
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 4	4
Naphthalene	< 5	5
n-Propylbenzene	< 5	5
1,1,2,2-Tetrachloroethane	< 1	1

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

**Quality Control Summary**Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

**Method Blank (continued)**

Analysis Name	Result ug/l	LOQ ug/l
Tetrachloroethene	< 1	1
Toluene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
1,2,4-Trimethylbenzene	< 5	5
1,3,5-Trimethylbenzene	< 5	5
Vinyl Chloride	< 1	1
Xylene (Total)	< 1	1
Batch number: N172501AA	Sample number(s) : 9182704-9182707, 9182709, 9182712	
Acetone	< 20	20
Acrolein	< 100	100
Acrylonitrile	< 20	20
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
Bromodichloromethane	< 1	1
Bromoform	< 4	4
Bromomethane	< 1	1
2-Butanone	< 10	10
t-Butyl alcohol	< 20	20
n-Butylbenzene	< 5	5
sec-Butylbenzene	< 5	5
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
2-Chloroethyl Vinyl Ether	< 10	10
Chloroform	< 1	1
Chloromethane	< 1	1
Dibromochloromethane	< 1	1
1,2-Dichlorobenzene	< 5	5
1,3-Dichlorobenzene	< 5	5
1,4-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 1	1
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
cis-1,3-Dichloropropene	< 1	1
trans-1,3-Dichloropropene	< 1	1
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Isopropylbenzene	< 5	5
p-Isopropyltoluene	< 5	5
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 4	4

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
 Reported: 09/11/2017 14:19

Group Number: 1844306

### Method Blank (continued)

Analysis Name	Result	LOQ
	ug/l	ug/l
Naphthalene	< 5	5
n-Propylbenzene	< 5	5
1,1,2,2-Tetrachloroethane	< 1	1
Tetrachloroethene	< 1	1
Toluene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
1,2,4-Trimethylbenzene	< 5	5
1,3,5-Trimethylbenzene	< 5	5
Vinyl Chloride	< 1	1
Xylene (Total)	< 1	1
Batch number: N172503AA	Sample number(s): 9182708, 9182710-9182711, 9182713-9182724	
Acetone	< 20	20
Acrolein	< 100	100
Acrylonitrile	< 20	20
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
Bromodichloromethane	< 1	1
Bromoform	< 4	4
Bromomethane	< 1	1
2-Butanone	< 10	10
t-Butyl alcohol	< 20	20
n-Butylbenzene	< 5	5
sec-Butylbenzene	< 5	5
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
2-Chloroethyl Vinyl Ether	< 10	10
Chloroform	< 1	1
Chloromethane	< 1	1
Dibromochloromethane	< 1	1
1,2-Dichlorobenzene	< 5	5
1,3-Dichlorobenzene	< 5	5
1,4-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 1	1
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
cis-1,3-Dichloropropene	< 1	1
trans-1,3-Dichloropropene	< 1	1
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Isopropylbenzene	< 5	5

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

### Method Blank (continued)

Analysis Name	Result ug/l	LOQ ug/l
p-Isopropyltoluene	< 5	5
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 4	4
Naphthalene	< 5	5
n-Propylbenzene	< 5	5
1,1,2,2-Tetrachloroethane	< 1	1
Tetrachloroethene	< 1	1
Toluene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
1,2,4-Trimethylbenzene	< 5	5
1,3,5-Trimethylbenzene	< 5	5
Vinyl Chloride	< 1	1
Xylene (Total)	< 1	1

### LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: N172491AA									
	Sample number(s): 9182701-9182703								
Acetone	150	167.02	150	174.82	111	117	44-177	5	30
Acrolein	150	151.96	150	146.51	101	98	42-138	4	30
Acrylonitrile	100	91.76	100	91.84	92	92	64-121	0	30
t-Amyl methyl ether	20	18.7	20	18.64	93	93	62-124	0	30
Benzene	20	19.86	20	19.87	99	99	78-120	0	30
Bromodichloromethane	20	19.49	20	19.45	97	97	71-120	0	30
Bromoform	20	16.47	20	16.31	82	82	59-120	1	30
Bromomethane	20	13.48	20	12.45	67	62	44-139	8	30
2-Butanone	150	154.32	150	160.53	103	107	53-140	4	30
t-Butyl alcohol	200	199.02	200	202.49	100	101	67-127	2	30
n-Butylbenzene	20	18.63	20	18.52	93	93	76-120	1	30
sec-Butylbenzene	20	19.49	20	19.34	97	97	77-120	1	30
Carbon Tetrachloride	20	19.49	20	19.22	97	96	68-128	1	30
Chlorobenzene	20	19.41	20	19.51	97	98	80-120	1	30
Chloroethane	20	15.18	20	14.08	76	70	52-127	8	30
2-Chloroethyl Vinyl Ether	20	18.83	20	18.65	94	93	47-125	1	30
Chloroform	20	20.15	20	20.14	101	101	80-120	0	30
Chloromethane	20	19.22	20	19.38	96	97	57-120	1	30
Dibromochloromethane	20	18.96	20	18.79	95	94	71-120	1	30
1,2-Dichlorobenzene	20	18.62	20	18.62	93	93	80-120	0	30
1,3-Dichlorobenzene	20	18.15	20	18.23	91	91	80-120	0	30
1,4-Dichlorobenzene	20	18.72	20	18.64	94	93	80-120	0	30

\* Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1-Dichloroethane	20	20.21	20	20.24	101	101	80-120	0	30
1,2-Dichloroethane	20	20.47	20	19.91	102	100	73-124	3	30
1,1-Dichloroethene	20	20.31	20	20.24	102	101	76-124	0	30
cis-1,2-Dichloroethene	20	20.55	20	20.21	103	101	80-120	2	30
trans-1,2-Dichloroethene	20	20.6	20	20.2	103	101	80-120	2	30
1,2-Dichloropropane	20	20.28	20	20.56	101	103	80-120	1	30
cis-1,3-Dichloropropene	20	19.29	20	19.39	96	97	75-120	1	30
trans-1,3-Dichloropropene	20	19.12	20	18.69	96	93	76-120	2	30
Ethyl t-butyl ether	20	19.3	20	19.02	97	95	61-127	2	30
Ethylbenzene	20	19.66	20	19.67	98	98	78-120	0	30
di-Isopropyl ether	20	20.13	20	20.14	101	101	70-124	0	30
Isopropylbenzene	20	19.59	20	19.75	98	99	80-120	1	30
p-Isopropyltoluene	20	18.86	20	19.1	94	96	76-120	1	30
Methyl Tertiary Butyl Ether	20	19.31	20	19.15	97	96	75-120	1	30
Methylene Chloride	20	19.7	20	19.98	99	100	80-120	1	30
Naphthalene	20	17.63	20	17.04	88	85	59-120	3	30
n-Propylbenzene	20	19.65	20	19.83	98	99	79-121	1	30
1,1,2,2-Tetrachloroethane	20	19.21	20	19.11	96	96	72-120	1	30
Tetrachloroethene	20	18.94	20	19.13	95	96	80-129	1	30
Toluene	20	19.64	20	19.74	98	99	80-120	1	30
1,1,1-Trichloroethane	20	18.63	20	18.4	93	92	67-120	1	30
1,1,2-Trichloroethane	20	20.39	20	20.46	102	102	80-120	0	30
Trichloroethene	20	19.31	20	19.38	97	97	80-120	0	30
Trichlorofluoromethane	20	20.78	20	20.29	104	101	52-143	2	30
1,2,4-Trimethylbenzene	20	18.9	20	18.9	94	95	75-120	0	30
1,3,5-Trimethylbenzene	20	19.17	20	19.19	96	96	75-120	0	30
Vinyl Chloride	20	20.04	20	19.66	100	98	63-121	2	30
Xylene (Total)	60	57.88	60	57.92	96	97	80-120	0	30
Batch number: N172501AA	Sample number(s) : 9182704-9182707, 9182709, 9182712								
Acetone	150	178.41	150	193.81	119	129	44-177	8	30
Acrolein	150	159.13	150	155.74	106	104	42-138	2	30
Acrylonitrile	100	92.99	100	93.96	93	94	64-121	1	30
t-Amyl methyl ether	20	17.8	20	17.93	89	90	62-124	1	30
Benzene	20	19.45	20	19.72	97	99	78-120	1	30
Bromodichloromethane	20	18.74	20	18.9	94	95	71-120	1	30
Bromoform	20	15.67	20	15.68	78	78	59-120	0	30
Bromomethane	20	19.18	20	18.99	96	95	44-139	1	30
2-Butanone	150	160.79	150	166.8	107	111	53-140	4	30
t-Butyl alcohol	200	196.29	200	192.81	98	96	67-127	2	30
n-Butylbenzene	20	19.06	20	18.79	95	94	76-120	1	30
sec-Butylbenzene	20	19.58	20	19.58	98	98	77-120	0	30
Carbon Tetrachloride	20	18.56	20	18.51	93	93	68-128	0	30
Chlorobenzene	20	19.79	20	19.77	99	99	80-120	0	30
Chloroethane	20	18.33	20	18.17	92	91	52-127	1	30
2-Chloroethyl Vinyl Ether	20	17.74	20	17.78	89	89	47-125	0	30
Chloroform	20	19.79	20	19.91	99	100	80-120	1	30
Chloromethane	20	19.55	20	19.48	98	97	57-120	0	30

\* Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Dibromochloromethane	20	18.36	20	18.16	92	91	71-120	1	30
1,2-Dichlorobenzene	20	19.07	20	18.85	95	94	80-120	1	30
1,3-Dichlorobenzene	20	18.43	20	18.61	92	93	80-120	1	30
1,4-Dichlorobenzene	20	19.14	20	18.98	96	95	80-120	1	30
1,1-Dichloroethane	20	19.86	20	19.95	99	100	80-120	0	30
1,2-Dichloroethane	20	20.5	20	20.5	103	103	73-124	0	30
1,1-Dichloroethene	20	20.11	20	19.91	101	100	76-124	1	30
cis-1,2-Dichloroethene	20	20.35	20	20.51	102	103	80-120	1	30
trans-1,2-Dichloroethene	20	20.11	20	20.27	101	101	80-120	1	30
1,2-Dichloropropane	20	20.14	20	20.17	101	101	80-120	0	30
cis-1,3-Dichloropropene	20	18.59	20	18.87	93	94	75-120	1	30
trans-1,3-Dichloropropene	20	18.84	20	18.79	94	94	76-120	0	30
Ethyl t-butyl ether	20	18.55	20	18.81	93	94	61-127	1	30
Ethylbenzene	20	19.92	20	20.04	100	100	78-120	1	30
di-Isopropyl ether	20	19.87	20	20.04	99	100	70-124	1	30
Isopropylbenzene	20	19.66	20	19.81	98	99	80-120	1	30
p-Isopropyltoluene	20	19.33	20	19.35	97	97	76-120	0	30
Methyl Tertiary Butyl Ether	20	18.47	20	18.63	92	93	75-120	1	30
Methylene Chloride	20	19.66	20	19.63	98	98	80-120	0	30
Naphthalene	20	17.76	20	17.29	89	86	59-120	3	30
n-Propylbenzene	20	20.44	20	20.14	102	101	79-121	1	30
1,1,2,2-Tetrachloroethane	20	19.9	20	19.69	99	98	72-120	1	30
Tetrachloroethene	20	19.09	20	19.08	95	95	80-129	0	30
Toluene	20	20.02	20	20.03	100	100	80-120	0	30
1,1,1-Trichloroethane	20	17.98	20	18	90	90	67-120	0	30
1,1,2-Trichloroethane	20	20.64	20	20.68	103	103	80-120	0	30
Trichloroethene	20	18.71	20	19.03	94	95	80-120	2	30
Trichlorofluoromethane	20	20.7	20	20.71	104	104	52-143	0	30
1,2,4-Trimethylbenzene	20	19.48	20	19.39	97	97	75-120	0	30
1,3,5-Trimethylbenzene	20	19.45	20	19.52	97	98	75-120	0	30
Vinyl Chloride	20	19.65	20	19.75	98	99	63-121	0	30
Xylene (Total)	60	58.27	60	58.72	97	98	80-120	1	30
Batch number: N172503AA	Sample number(s): 9182708, 9182710-9182711, 9182713-9182724								
Acetone	150	156.66	150	152	104	101	44-177	3	30
Acrolein	150	135.94	150	131.4	91	88	42-138	3	30
Acrylonitrile	100	95.27	100	94.29	95	94	64-121	1	30
t-Amyl methyl ether	20	17.95	20	18.06	90	90	62-124	1	30
Benzene	20	20.28	20	20.36	101	102	78-120	0	30
Bromodichloromethane	20	19.12	20	18.95	96	95	71-120	1	30
Bromoform	20	15.86	20	15.74	79	79	59-120	1	30
Bromomethane	20	23.63	20	23.58	118	118	44-139	0	30
2-Butanone	150	164.81	150	163.19	110	109	53-140	1	30
t-Butyl alcohol	200	189.96	200	168.1	95	84	67-127	12	30
n-Butylbenzene	20	19.47	20	19.46	97	97	76-120	0	30
sec-Butylbenzene	20	20.01	20	19.93	100	100	77-120	0	30
Carbon Tetrachloride	20	19.16	20	19.06	96	95	68-128	1	30
Chlorobenzene	20	20.03	20	20.13	100	101	80-120	1	30

\* Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloroethane	20	23.12	20	22.88	116	114	52-127	1	30
2-Chloroethyl Vinyl Ether	20	16.68	20	18.01	83	90	47-125	8	30
Chloroform	20	20.65	20	20.67	103	103	80-120	0	30
Chloromethane	20	22.39	20	22.21	112	111	57-120	1	30
Dibromochloromethane	20	18.36	20	18.39	92	92	71-120	0	30
1,2-Dichlorobenzene	20	19.59	20	19.38	98	97	80-120	1	30
1,3-Dichlorobenzene	20	18.95	20	19.07	95	95	80-120	1	30
1,4-Dichlorobenzene	20	19.45	20	19.36	97	97	80-120	0	30
1,1-Dichloroethane	20	20.81	20	20.79	104	104	80-120	0	30
1,2-Dichloroethane	20	21.24	20	21.11	106	106	73-124	1	30
1,1-Dichloroethene	20	20.87	20	21	104	105	76-124	1	30
cis-1,2-Dichloroethene	20	21.04	20	20.84	105	104	80-120	1	30
trans-1,2-Dichloroethene	20	21.16	20	20.9	106	104	80-120	1	30
1,2-Dichloropropane	20	20.91	20	20.81	105	104	80-120	0	30
cis-1,3-Dichloropropene	20	19.04	20	19	95	95	75-120	0	30
trans-1,3-Dichloropropene	20	19.1	20	18.97	95	95	76-120	1	30
Ethyl t-butyl ether	20	18.51	20	18.64	93	93	61-127	1	30
Ethylbenzene	20	20.22	20	20.37	101	102	78-120	1	30
di-Isopropyl ether	20	20.06	20	20.16	100	101	70-124	1	30
Isopropylbenzene	20	19.9	20	19.99	100	100	80-120	0	30
p-Isopropyltoluene	20	19.79	20	19.82	99	99	76-120	0	30
Methyl Tertiary Butyl Ether	20	18.8	20	18.88	94	94	75-120	0	30
Methylene Chloride	20	20.52	20	20.43	103	102	80-120	0	30
Naphthalene	20	18.18	20	18.18	91	91	59-120	0	30
n-Propylbenzene	20	20.72	20	20.66	104	103	79-121	0	30
1,1,2,2-Tetrachloroethane	20	20.51	20	20.38	103	102	72-120	1	30
Tetrachloroethene	20	19.45	20	19.41	97	97	80-129	0	30
Toluene	20	20.33	20	20.38	102	102	80-120	0	30
1,1,1-Trichloroethane	20	18.59	20	18.34	93	92	67-120	1	30
1,1,2-Trichloroethane	20	21.2	20	20.84	106	104	80-120	2	30
Trichloroethene	20	19.69	20	19.62	98	98	80-120	0	30
Trichlorofluoromethane	20	23.31	20	23.55	117	118	52-143	1	30
1,2,4-Trimethylbenzene	20	19.8	20	19.69	99	98	75-120	1	30
1,3,5-Trimethylbenzene	20	19.89	20	19.85	99	99	75-120	0	30
Vinyl Chloride	20	22.51	20	22.68	113	113	63-121	1	30
Xylene (Total)	60	59.5	60	59.61	99	99	80-120	0	30

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
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Batch number: N172491AA

Sample number(s): 9182701-9182703 UNSPK: P179830

\* Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Acetone	< 20	150	151.42	150	150.58	101	100	44-177	1	30
Acrolein	< 100	150	149.87	150	153.69	100	102	42-138	3	30
Acrylonitrile	< 20	100	97.82	100	96.67	98	97	64-121	1	30
t-Amyl methyl ether	< 1	20	19.48	20	19.22	97	96	62-124	1	30
Benzene	< 1	20	22.16	20	21.87	111	109	78-120	1	30
Bromodichloromethane	< 1	20	21.06	20	20.63	105	103	71-120	2	30
Bromoform	< 4	20	16.57	20	16.57	83	83	59-120	0	30
Bromomethane	< 1	20	14.26	20	19.61	71	98	44-139	32*	30
2-Butanone	< 10	150	155.64	150	152.2	104	101	53-140	2	30
t-Butyl alcohol	< 20	200	201.42	200	186.69	101	93	67-127	8	30
n-Butylbenzene	< 5	20	19.93	20	19.37	100	97	76-120	3	30
sec-Butylbenzene	< 5	20	20.97	20	20.69	105	103	77-120	1	30
Carbon Tetrachloride	< 1	20	22.07	20	21.89	110	109	68-128	1	30
Chlorobenzene	< 1	20	20.89	20	20.59	104	103	80-120	1	30
Chloroethane	< 1	20	16.73	20	19.72	84	99	52-127	16	30
2-Chloroethyl Vinyl Ether	< 10	20	< 10	20	< 10	0*	0*	47-125	0	30
Chloroform	< 1	20	22.18	20	21.86	111	109	80-120	1	30
Chloromethane	< 1	20	21.11	20	21.07	106	105	57-120	0	30
Dibromochloromethane	< 1	20	19.46	20	19.52	97	98	71-120	0	30
1,2-Dichlorobenzene	< 5	20	19.42	20	19.05	97	95	80-120	2	30
1,3-Dichlorobenzene	< 5	20	19.14	20	18.94	96	95	80-120	1	30
1,4-Dichlorobenzene	< 5	20	19.66	20	19.28	98	96	80-120	2	30
1,1-Dichloroethane	< 1	20	22.68	20	22.41	113	112	80-120	1	30
1,2-Dichloroethane	< 1	20	22.12	20	21.82	111	109	73-124	1	30
1,1-Dichloroethene	< 1	20	24	20	23.86	120	119	76-124	1	30
cis-1,2-Dichloroethene	< 1	20	23.16	20	22.41	116	112	80-120	3	30
trans-1,2-Dichloroethene	< 1	20	22.89	20	22.93	114	115	80-120	0	30
1,2-Dichloropropane	< 1	20	22.37	20	21.98	112	110	80-120	2	30
cis-1,3-Dichloropropene	< 1	20	20.68	20	20.18	103	101	75-120	2	30
trans-1,3-Dichloropropene	< 1	20	19.82	20	19.67	99	98	76-120	1	30
Ethyl t-butyl ether	< 1	20	20.35	20	20.24	102	101	61-127	1	30
Ethylbenzene	< 1	20	21.47	20	21.15	107	106	78-120	2	30
di-Isopropyl ether	< 1	20	21.86	20	21.48	109	107	70-124	2	30
Isopropylbenzene	< 5	20	21.53	20	21.18	108	106	80-120	2	30
p-Isopropyltoluene	< 5	20	20.4	20	20.1	102	100	76-120	1	30
Methyl Tertiary Butyl Ether	< 1	20	20.21	20	19.98	101	100	75-120	1	30
Methylene Chloride	< 4	20	21.96	20	21.49	110	107	80-120	2	30
Naphthalene	< 5	20	17.79	20	18.09	89	90	59-120	2	30
n-Propylbenzene	< 5	20	21.5	20	21	107	105	79-121	2	30
1,1,2,2-Tetrachloroethane	< 1	20	19.44	20	19.18	97	96	72-120	1	30
Tetrachloroethene	< 1	20	21.08	20	20.55	105	103	80-129	3	30
Toluene	< 1	20	21.49	20	21.31	107	107	80-120	1	30
1,1,1-Trichloroethane	< 1	20	20.87	20	20.55	104	103	67-120	2	30
1,1,2-Trichloroethane	< 1	20	21.22	20	20.95	106	105	80-120	1	30
Trichloroethene	< 1	20	21.74	20	21.37	109	107	80-120	2	30
Trichlorofluoromethane	< 1	20	23.97	20	22.81	120	114	52-143	5	30

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
1,2,4-Trimethylbenzene	< 5	20	20.28	20	19.97	101	100	75-120	2	30
1,3,5-Trimethylbenzene	< 5	20	20.45	20	20.34	102	102	75-120	1	30
Vinyl Chloride	< 1	20	22.63	20	22.15	113	111	63-121	2	30
Xylene (Total)	< 1	60	62.28	60	61.35	104	102	80-120	2	30
Batch number: N172501AA	Sample number(s): 9182704, 9182707, 9182709, 9182712 UNSPK: P181823									
Acetone	< 400	3000	3031.93	3000	2908.13	101	97	44-177	4	30
Acrolein	< 2,000	3000	3023.58	3000	2975.61	101	99	42-138	2	30
Acrylonitrile	< 400	2000	1825.44	2000	1807.49	91	90	64-121	1	30
t-Amyl methyl ether	< 20	400	351.75	400	358.05	88	90	62-124	2	30
Benzene	17.33	400	411.14	400	413.19	98	99	78-120	0	30
Bromodichloromethane	< 20	400	368.21	400	369.37	92	92	71-120	0	30
Bromoform	< 80	400	294.48	400	300.12	74	75	59-120	2	30
Bromomethane	< 20	400	361.91	400	345.14	90	86	44-139	5	30
2-Butanone	< 200	3000	3069.12	3000	3011.27	102	100	53-140	2	30
t-Butyl alcohol	< 400	4000	3418.45	4000	3405.26	85	85	67-127	0	30
n-Butylbenzene	< 100	400	381.03	400	382.99	95	96	76-120	1	30
sec-Butylbenzene	< 100	400	395.26	400	395.2	99	99	77-120	0	30
Carbon Tetrachloride	< 20	400	371.6	400	374.86	93	94	68-128	1	30
Chlorobenzene	< 20	400	389.75	400	394.42	97	99	80-120	1	30
Chloroethane	< 20	400	357.45	400	340.32	89	85	52-127	5	30
2-Chloroethyl Vinyl Ether	< 200	400	353.39	400	352.76	88	88	47-125	0	30
Chloroform	< 20	400	400.16	400	395.55	100	99	80-120	1	30
Chloromethane	< 20	400	385.88	400	388.48	96	97	57-120	1	30
Dibromochloromethane	< 20	400	355.61	400	351.91	89	88	71-120	1	30
1,2-Dichlorobenzene	< 100	400	374.66	400	375.72	94	94	80-120	0	30
1,3-Dichlorobenzene	< 100	400	366.89	400	367.49	92	92	80-120	0	30
1,4-Dichlorobenzene	< 100	400	375.75	400	377.31	94	94	80-120	0	30
1,1-Dichloroethane	< 20	400	399.67	400	401.6	100	100	80-120	0	30
1,2-Dichloroethane	< 20	400	414.56	400	414.12	104	104	73-124	0	30
1,1-Dichloroethene	< 20	400	397.7	400	401.2	99	100	76-124	1	30
cis-1,2-Dichloroethene	< 20	400	404.42	400	410.71	101	103	80-120	2	30
trans-1,2-Dichloroethene	< 20	400	400.92	400	400.04	100	100	80-120	0	30
1,2-Dichloropropane	< 20	400	404.33	400	404.4	101	101	80-120	0	30
cis-1,3-Dichloropropene	< 20	400	365.05	400	368.15	91	92	75-120	1	30
trans-1,3-Dichloropropene	< 20	400	363.36	400	375.48	91	94	76-120	3	30
Ethyl t-butyl ether	< 20	400	366.28	400	370.54	92	93	61-127	1	30
Ethylbenzene	27.91	400	426.63	400	434.28	100	102	78-120	2	30
di-Isopropyl ether	< 20	400	398.68	400	398.72	100	100	70-124	0	30
Isopropylbenzene	< 100	400	395.11	400	400.77	99	100	80-120	1	30
p-Isopropyltoluene	< 100	400	404.12	400	403.24	101	101	76-120	0	30
Methyl Tertiary Butyl Ether	< 20	400	363.62	400	366.51	91	92	75-120	1	30
Methylene Chloride	< 80	400	391.5	400	394	98	99	80-120	1	30
Naphthalene	32.12	400	374.81	400	385.9	86	88	59-120	3	30
n-Propylbenzene	< 100	400	413.55	400	413.78	103	103	79-121	0	30
1,1,2,2-Tetrachloroethane	< 20	400	392.55	400	390.71	98	98	72-120	0	30

\* Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Tetrachloroethene	< 20	400	383.3	400	387.19	96	97	80-129	1	30
Toluene	21.56	400	418.74	400	423.45	99	100	80-120	1	30
1,1,1-Trichloroethane	< 20	400	359.7	400	367.36	90	92	67-120	2	30
1,1,2-Trichloroethane	< 20	400	408.41	400	411.24	102	103	80-120	1	30
Trichloroethene	< 20	400	380.08	400	386.67	95	97	80-120	2	30
Trichlorofluoromethane	< 20	400	425.54	400	421.76	106	105	52-143	1	30
1,2,4-Trimethylbenzene	66.03	400	454.71	400	457.11	97	98	75-120	1	30
1,3,5-Trimethylbenzene	23.39	400	413.86	400	415.32	98	98	75-120	0	30
Vinyl Chloride	< 20	400	392.65	400	397.49	98	99	63-121	1	30
Xylene (Total)	194.59	1200	1367.62	1200	1391.5	98	100	80-120	2	30
Batch number: N172503AA	Sample number(s): 9182708, 9182710-9182711, 9182713-9182724 UNSPK: P191594									
Acetone	< 400	3000	5683.28	3000	5520.35	189*	184*	44-177	3	30
Acrolein	< 2,000	3000	3357.01	3000	3237.48	112	108	42-138	4	30
Acrylonitrile	< 400	2000	1792.42	2000	1837.99	90	92	64-121	3	30
t-Amyl methyl ether	< 20	400	356.48	400	364.81	89	91	62-124	2	30
Benzene	< 20	400	425.31	400	428.75	106	107	78-120	1	30
Bromodichloromethane	< 20	400	387.81	400	392.24	97	98	71-120	1	30
Bromoform	< 80	400	294.15	400	296.69	74	74	59-120	1	30
Bromomethane	< 20	400	393.2	400	416.27	98	104	44-139	6	30
2-Butanone	< 200	3000	3852.34	3000	3856.83	128	129	53-140	0	30
t-Butyl alcohol	< 400	4000	3554.84	4000	3626.6	89	91	67-127	2	30
n-Butylbenzene	< 100	400	407.41	400	407.4	102	102	76-120	0	30
sec-Butylbenzene	< 100	400	419.28	400	425.29	105	106	77-120	1	30
Carbon Tetrachloride	< 20	400	412.87	400	418.27	103	105	68-128	1	30
Chlorobenzene	< 20	400	412.41	400	414.2	103	104	80-120	0	30
Chloroethane	< 20	400	394.39	400	388.25	99	97	52-127	2	30
2-Chloroethyl Vinyl Ether	< 200	400	351.57	400	361.71	88	90	47-125	3	30
Chloroform	< 20	400	429.22	400	434.36	107	109	80-120	1	30
Chloromethane	< 20	400	438.83	400	430.01	110	108	57-120	2	30
Dibromochloromethane	< 20	400	361.36	400	365.09	90	91	71-120	1	30
1,2-Dichlorobenzene	< 100	400	384.28	400	389.71	96	97	80-120	1	30
1,3-Dichlorobenzene	< 100	400	383.36	400	384.93	96	96	80-120	0	30
1,4-Dichlorobenzene	< 100	400	394.15	400	395.23	99	99	80-120	0	30
1,1-Dichloroethane	< 20	400	434.51	400	440.25	109	110	80-120	1	30
1,2-Dichloroethane	< 20	400	433.11	400	431.83	108	108	73-124	0	30
1,1-Dichloroethene	< 20	400	443.31	400	455.36	111	114	76-124	3	30
cis-1,2-Dichloroethene	< 20	400	430.55	400	438.52	108	110	80-120	2	30
trans-1,2-Dichloroethene	< 20	400	424.3	400	438.26	106	110	80-120	3	30
1,2-Dichloropropane	< 20	400	429.41	400	440.68	107	110	80-120	3	30
cis-1,3-Dichloropropene	< 20	400	381.69	400	389.61	95	97	75-120	2	30
trans-1,3-Dichloropropene	< 20	400	375.59	400	379.98	94	95	76-120	1	30
Ethyl t-butyl ether	< 20	400	370.79	400	383.98	93	96	61-127	3	30
Ethylbenzene	< 20	400	422.5	400	424.18	106	106	78-120	0	30
di-Isopropyl ether	< 20	400	411.78	400	421.42	103	105	70-124	2	30
Isopropylbenzene	< 100	400	423.23	400	423.51	106	106	80-120	0	30

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
p-Isopropyltoluene	< 100	400	406.71	400	412.33	102	103	76-120	1	30
Methyl Tertiary Butyl Ether	< 20	400	370.67	400	378.03	93	95	75-120	2	30
Methylene Chloride	< 80	400	415.38	400	421.67	104	105	80-120	2	30
Naphthalene	< 100	400	324.72	400	337.33	81	84	59-120	4	30
n-Propylbenzene	< 100	400	433.03	400	433.9	108	108	79-121	0	30
1,1,2,2-Tetrachloroethane	< 20	400	391.7	400	391.18	98	98	72-120	0	30
Tetrachloroethene	< 20	400	418.42	400	419.87	105	105	80-129	0	30
Toluene	< 20	400	419.57	400	426.23	105	107	80-120	2	30
1,1,1-Trichloroethane	< 20	400	391.17	400	397.41	98	99	67-120	2	30
1,1,2-Trichloroethane	< 20	400	414.94	400	419.55	104	105	80-120	1	30
Trichloroethene	< 20	400	412.7	400	415.27	103	104	80-120	1	30
Trichlorofluoromethane	< 20	400	489.86	400	469.63	122	117	52-143	4	30
1,2,4-Trimethylbenzene	< 100	400	400.99	400	405.31	100	101	75-120	1	30
1,3,5-Trimethylbenzene	< 100	400	409.41	400	408.17	102	102	75-120	0	30
Vinyl Chloride	< 20	400	456.55	400	449.55	114	112	63-121	2	30
Xylene (Total)	< 20	1200	1224.33	1200	1250.42	102	104	80-120	2	30

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: VOCs 8260 Kleinfelder Full  
Batch number: N172491AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9182701	100	97	97	97
9182702	99	97	98	98
9182703	100	97	97	99
Blank	98	95	98	99
LCS	100	101	101	101
LCSD	100	102	101	101
MS	100	98	100	101
MSD	100	100	100	100
Limits:	80-120	80-120	80-120	80-120

Analysis Name: VOCs 8260 Kleinfelder Full  
Batch number: N172501AA

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

**Quality Control Summary**Client Name: Kleinfelder  
Reported: 09/11/2017 14:19

Group Number: 1844306

**Surrogate Quality Control (continued)**

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: VOCs 8260 Kleinfelder Full  
Batch number: N172501AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9182704	98	96	99	97
9182705	98	97	100	98
9182706	97	97	100	97
9182707	98	97	100	96
9182709	98	96	99	96
9182712	99	98	99	96
Blank	98	96	99	97
LCS	99	99	104	100
LCSD	99	101	104	100
MS	99	99	104	101
MSD	99	96	103	101
Limits:	80-120	80-120	80-120	80-120

Analysis Name: VOCs 8260 Kleinfelder Full  
Batch number: N172503AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9182708	100	98	100	98
9182710	99	98	99	96
9182711	99	98	100	97
9182713	100	98	100	97
9182714	100	99	99	96
9182715	100	100	98	96
9182716	99	102	99	96
9182717	100	99	100	97
9182718	100	100	99	96
9182719	101	100	99	96
9182720	101	98	99	96
9182721	101	102	99	97
9182722	100	100	99	96
9182723	99	99	99	96
9182724	101	95	99	96
Blank	99	97	99	96
LCS	99	103	104	101
LCSD	99	101	104	101
MS	99	103	103	101
MSD	100	100	103	101
Limits:	80-120	80-120	80-120	80-120

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152  
 Group #: \_\_\_\_\_ Sample #: 9182701-24  
1844306

Client: Fairfax Petroleum	Acct. #:	Matrix			Analyses Requested						For Lab Use Only		
Project Name#: 26140	PWSID #:				H	H	/	/	/	/	/	/	FSC: _____
Project Manager: Mark C. Steele	P.O. #: 51141-318064				Preservation Codes						SCR#: _____		
Sampler: Evan McMullen / Charlie Brehm	Quote #:				H	H	/	/	/	/	Preservation Codes H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other		
Name of State where samples were collected: Virginia											Temperature of samples upon receipt (if requested)		
Sample Identification		Date Collected	Time Collected	Grab Composite	Soil	Water	Other	Total # of Containers	Full List VOCs (8260)	BTEX + OXY (8260)	Remarks		
MW-17D(75)	8/28/17	0835	X		X			3	X				
MW-17D(81)	8/28/17	0920	X		X			3	X				
MW-17D(87.75)	8/28/17	1015	X		X			3	X				
MW-17D(92)	8/28/17	1105	X		X			3	X				
MW-17D(117)	8/28/17	1215	X		X			3	X				
MW-17D(129.75)	8/28/17	1325	X		X			3	X				
MW-17D(147)	8/28/17	1420	X		X			3	X				
SVE-2	8/29/17	1150	X		X			3	X				
RW-1	8/28/17	1045	X		X			3	X				
MW-5R	8/28/17	1030	X		X			3	X				
MW-15	8/28/17	1140	X		X			3	X				
MW-19D	8/28/17	0900	X		X			3	X				
Turnaround Time Requested (TAT) (please circle)		Normal	Rush	(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)			Relinquished by:		Date	Time	Received by:	Date	Time
Date results are needed:							<u>J.M. M.</u>		8/29/17	1430	<u>water room</u>	8/28	1430
Rush results requested by (please circle): Phone Fax E-mail					Relinquished by:		Date	Time	Received by:	Date	Time		
Phone #: _____					<u>L.V. Miller</u>		8/30/17	1130	<u>frn</u>	8/30/17	1130		
E-mail address: _____					Relinquished by:		Date	Time	Received by:	Date	Time		
Data Package Options (please circle if required)		SDG Complete?			<u>K.</u>		8/28/17	1530					
Type I (validation/NJ reg)	TX-TRRP-13		Yes No			Relinquished by:		Date	Time	Received by:	Date	Time	
Type II (Tier II)	MA MCP	CT RCP				Relinquished by:		Date	Time	Received by:	Date	Time	
Type III (Reduced NJ)			State-specific QC (MS/MSD/Dup)? Yes No			Relinquished by:		Date	Time	Received by:	Date	Time	
Type IV (CLP SOW)			(If yes, indicated QC sample and submit triplicate volume)			Relinquished by:		Date	Time	Received by:	Date	Time	
Type VI (Raw Data Only)			Internal COC required? Yes No			Relinquished by:		Date	Time	Received by:	Date	Time	

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client



## Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152  
 Group #: 18443ub Sample #: 91827M-24

Client: Fairfax Petroleum	Acct. #:				Matrix			Analyses Requested						For Lab Use Only	
Project Name/#: 26140	PWSID #:				Soil	Water	Other	H	H					FSC:	
Project Manager: Mark C. Steele	P.O. #: 51141-318064				Grab	Composite								SCR#:	
Sampler: Evan McMullen / Charlie Brehm	Quote #:						Portable	NPDES							
Name of State where samples were collected: Virginia							Total # of Containers	Full List VOCs (8260)	BTEX + OXY (8260)						Preservation Codes
															N=HCl T=Thiosulfate N=HNO3 Ba=NaOH S=H <sub>2</sub> SO4 O=Other
															Remarks
															Temperature of samples upon receipt (if requested)
Sample Identification				Date Collected	Time Collected	Grab	Composite	Soil	Water	Other					
MW-23D	8/29/17	10:30	X			X				3	X				
MW-10	8/29/17	0840	X			X				3	X				
MW-24	8/29/17	0945	X			X				3	X				
MW-18D	8/29/17	1310	X			X				3	X				
MW-25D (90)	8/28/17	1400	X			X				3	X				
MW-22	8/29/17	0748	X			X				3		X			
MW-27I	8/29/17	0915	X			X				3		X			
MW-27S	8/29/17	0835	X			X				3		X			
MW-26D	8/28/17	1200	X			X				3	X				
MW-6S	8/29/17	1240	X			X				3	X				
MW-6D	8/28/17	1500	X			X				3	X				
MW-12D (110)	8/28/17	1030	X			X				3	X				
Turnaround Time Requested (TAT) (please circle): Normal <input checked="" type="radio"/> Rush <input type="radio"/>							Relinquished by: <u>Evan M.</u>		Date 8/29/17	Time 1430	Received by: Cooler room	Date 8/29	Time 1430		
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)							Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 11:55	Received by: <u>J. S.</u>	Date 8/29	Time 11:55		
Date results are needed:							Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 15:30	Received by: <u>J. S.</u>	Date 8/29	Time 15:30		
Rush results requested by (please circle): Phone <input type="radio"/> Fax <input type="radio"/> E-mail <input type="radio"/>							Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 15:30	Received by: <u>J. S.</u>	Date 8/29	Time 15:30		
Phone #: _____ Fax #: _____							Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 15:30	Received by: <u>J. S.</u>	Date 8/29	Time 15:30		
E-mail address: _____							Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 15:30	Received by: <u>J. S.</u>	Date 8/29	Time 15:30		
Data Package Options (please circle if required)				SDG Complete?			Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 15:30	Received by: <u>J. S.</u>	Date 8/29	Time 15:30		
Type I (validation/NJ reg)	TX-TRRP-13		Yes No			Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 15:30	Received by: <u>J. S.</u>	Date 8/29	Time 15:30			
Type II (Tier II)	MA MCP	CT RCP				Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 15:30	Received by: <u>J. S.</u>	Date 8/29	Time 15:30			
Type III (Reduced NJ)			State-specific QC (MS/MSD/Dup)? Yes No			Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 15:30	Received by: <u>J. S.</u>	Date 8/29	Time 15:30			
Type IV (CLP SOW)			(If yes, indicate QC sample and submit triplecate volume)			Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 15:30	Received by: <u>J. S.</u>	Date 8/29	Time 15:30			
Type VI (Raw Data Only)			Internal COC required? Yes No			Relinquished by: <u>V. Wallen</u>		Date 8/29/17	Time 15:30	Received by: <u>J. S.</u>	Date 8/29	Time 15:30			

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

Client: Fairfax Petroleum**Delivery and Receipt Information**

Delivery Method:	<u>ELLE Courier</u>	Arrival Timestamp:	<u>08/30/2017 15:50</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>VA</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Melvin Sanchez (8943) at 16:32 on 08/30/2017***Samples Chilled Details**

*Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.*

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT131	0.9	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	non-detect
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

# Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



## ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Report Date: September 12, 2017

**Project: Fairfax 26140**

Account #: 12152  
Group Number: 1845584  
PO Number: 51141-318064  
State of Sample Origin: VA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Kleinfelder  
Electronic Copy To Kleinfelder  
Electronic Copy To Kleinfelder  
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Electronic Copy To Kleinfelder

Attn: Nathan Stevens  
Attn: Paxton Wertz  
Attn: Jennifer Kozak  
Attn: Venelda Williams  
Attn: Mark Steele

Respectfully Submitted,

Amek Carter  
Specialist

(717) 556-7252

**SAMPLE INFORMATION**

<u>Client Sample Description</u>	<u>Collection Information</u>	<u>ELLE#</u>
MW-16D(95) Grab Water	09/01/2017 08:38	9189318
MW-9 Grab Water	09/01/2017 09:20	9189319
MW-11 Grab Water	09/01/2017 07:28	9189320
PW-1 (65) Grab Water	09/01/2017 09:35	9189321
MW-1R Grab Water	09/01/2017 07:35	9189322

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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**Sample Description:** MW-16D(95) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9189318  
ELLE Group # 1845584  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 08:38 by EM

Kleinfelder

Submitted: 09/01/2017 17:12

550 West C Street, Suite 1200  
San Diego CA 92101

Reported: 09/12/2017 19:18

16D95

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	<b>1</b>	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	<b>cis-1,2-Dichloroethene</b>	156-59-2	<b>150</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	<b>cis-1,3-Dichloropropene</b>	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	<b>Tetrachloroethene</b>	127-18-4	<b>8</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	<b>Trichloroethene</b>	79-01-6	<b>2</b>	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1

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**Sample Description:** MW-16D(95) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9189318  
ELLE Group # 1845584  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 08:38 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 19:18

16D95

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y172541AA	09/11/2017 14:38	Jennifer K Howe	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y172541AA	09/11/2017 14:38	Jennifer K Howe	1

**Sample Description:** MW-9 Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9189319  
ELLE Group # 1845584  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 09:20 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 19:18

FP-09

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	19	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	5	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	4	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1

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**Sample Description:** MW-9 Grab Water  
Fairfax Petroleum 26140**ELLE Sample #** WW 9189319  
**ELLE Group #** 1845584  
**Account #** 12152**Project Name:** Fairfax 26140

Collected: 09/01/2017 09:20 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 19:18

FP-09

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles SW-846 8260B		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y172541AA	09/11/2017 15:00	Jennifer K Howe	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y172541AA	09/11/2017 15:00	Jennifer K Howe	1

**Sample Description:** MW-11 Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9189320  
ELLE Group # 1845584  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 07:28 by EM

Kleinfelder

Submitted: 09/01/2017 17:12

550 West C Street, Suite 1200  
San Diego CA 92101

Reported: 09/12/2017 19:18

FP-11

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1



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**Sample Description:** MW-11 Grab Water  
Fairfax Petroleum 26140**ELLE Sample #** WW 9189320  
**ELLE Group #** 1845584  
**Account #** 12152**Project Name:** Fairfax 26140

Collected: 09/01/2017 07:28 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 19:18

FP-11

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y172541AA	09/11/2017 15:22	Jennifer K Howe	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y172541AA	09/11/2017 15:22	Jennifer K Howe	1

**Sample Description:** PW-1 (65) Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9189321  
ELLE Group # 1845584  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 09:35 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 19:18

PW165

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>	<b>SW-846 8260B</b>		ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	<b>cis-1,2-Dichloroethene</b>	156-59-2	<b>35</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	<b>di-Isopropyl ether</b>	108-20-3	<b>3</b>	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>30</b>	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	<b>Tetrachloroethene</b>	127-18-4	<b>10</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	<b>Trichloroethene</b>	79-01-6	<b>1</b>	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



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**Sample Description:** PW-1 (65) Grab Water  
Fairfax Petroleum 26140ELLE Sample # WW 9189321  
ELLE Group # 1845584  
Account # 12152**Project Name:** Fairfax 26140

Collected: 09/01/2017 09:35 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 19:18

PW165

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y172541AA	09/11/2017 15:44	Jennifer K Howe	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y172541AA	09/11/2017 15:44	Jennifer K Howe	1

**Sample Description:** MW-1R Grab Water  
Fairfax Petroleum 26140

ELLE Sample # WW 9189322  
ELLE Group # 1845584  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 07:35 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 19:18

FP-1R

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	3	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	4	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	8	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	9	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



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**Sample Description:** MW-1R Grab Water  
Fairfax Petroleum 26140**ELLE Sample #** WW 9189322  
**ELLE Group #** 1845584  
**Account #** 12152**Project Name:** Fairfax 26140

Collected: 09/01/2017 07:35 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 19:18

FP-1R

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y172541AA	09/11/2017 16:06	Jennifer K Howe	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y172541AA	09/11/2017 16:06	Jennifer K Howe	1

**Quality Control Summary**

Client Name: Kleinfelder  
Reported: 09/12/2017 19:18

Group Number: 1845584

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

**Method Blank**

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: Y172541AA	Sample number(s): 9189318-9189322	
Acetone	< 20	20
Acrolein	< 100	100
Acrylonitrile	< 20	20
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
Bromodichloromethane	< 1	1
Bromoform	< 4	4
Bromomethane	< 1	1
2-Butanone	< 10	10
t-Butyl alcohol	< 20	20
n-Butylbenzene	< 5	5
sec-Butylbenzene	< 5	5
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
2-Chloroethyl Vinyl Ether	< 10	10
Chloroform	< 1	1
Chloromethane	< 1	1
Dibromochloromethane	< 1	1
1,2-Dichlorobenzene	< 5	5
1,3-Dichlorobenzene	< 5	5
1,4-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 1	1
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
cis-1,3-Dichloropropene	< 1	1
trans-1,3-Dichloropropene	< 1	1
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Isopropylbenzene	< 5	5
p-Isopropyltoluene	< 5	5
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 4	4
Naphthalene	< 5	5
n-Propylbenzene	< 5	5
1,1,2,2-Tetrachloroethane	< 1	1

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/12/2017 19:18

Group Number: 1845584

### Method Blank (continued)

Analysis Name	Result ug/l	LOQ ug/l
Tetrachloroethene	< 1	1
Toluene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
1,2,4-Trimethylbenzene	< 5	5
1,3,5-Trimethylbenzene	< 5	5
Vinyl Chloride	< 1	1
Xylene (Total)	< 1	1

### LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y172541AA									
	Sample number(s): 9189318-9189322								
Acetone	150	157.37	150	160.72	105	107	44-177	2	30
Acrolein	150	147.68	150	149.22	98	99	42-138	1	30
Acrylonitrile	100	85.64	100	86	86	86	64-121	0	30
t-Amyl methyl ether	20	18.03	20	18.15	90	91	62-124	1	30
Benzene	20	21.09	20	20.81	105	104	78-120	1	30
Bromodichloromethane	20	18.75	20	18.32	94	92	71-120	2	30
Bromoform	20	15.58	20	15.61	78	78	59-120	0	30
Bromomethane	20	21.81	20	21.36	109	107	44-139	2	30
2-Butanone	150	120.78	150	121.46	81	81	53-140	1	30
t-Butyl alcohol	200	196.55	200	199.39	98	100	67-127	1	30
n-Butylbenzene	20	19.59	20	19.67	98	98	76-120	0	30
sec-Butylbenzene	20	20.11	20	19.92	101	100	77-120	1	30
Carbon Tetrachloride	20	20.15	20	19.97	101	100	68-128	1	30
Chlorobenzene	20	20.9	20	20.76	105	104	80-120	1	30
Chloroethane	20	20.18	20	20.14	101	101	52-127	0	30
2-Chloroethyl Vinyl Ether	20	20.15	20	19.58	101	98	47-125	3	30
Chloroform	20	21.04	20	20.72	105	104	80-120	2	30
Chloromethane	20	20.55	20	20.04	103	100	57-120	3	30
Dibromochloromethane	20	17.93	20	17.79	90	89	71-120	1	30
1,2-Dichlorobenzene	20	20.05	20	20.06	100	100	80-120	0	30
1,3-Dichlorobenzene	20	20.29	20	20.11	101	101	80-120	1	30
1,4-Dichlorobenzene	20	20.48	20	20.68	102	103	80-120	1	30
1,1-Dichloroethane	20	20.44	20	20.33	102	102	80-120	1	30
1,2-Dichloroethane	20	20.29	20	20.13	101	101	73-124	1	30
1,1-Dichloroethene	20	21.55	20	21.37	108	107	76-124	1	30
cis-1,2-Dichloroethene	20	21.8	20	21.45	109	107	80-120	2	30
trans-1,2-Dichloroethene	20	21.77	20	21.54	109	108	80-120	1	30
1,2-Dichloropropane	20	20.48	20	20.02	102	100	80-120	2	30

\* Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/12/2017 19:18

Group Number: 1845584

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
cis-1,3-Dichloropropene	20	18.38	20	18.53	92	93	75-120	1	30
trans-1,3-Dichloropropene	20	17.62	20	17.66	88	88	76-120	0	30
Ethyl t-butyl ether	20	18.31	20	18.44	92	92	61-127	1	30
Ethylbenzene	20	20.82	20	20.39	104	102	78-120	2	30
di-Isopropyl ether	20	19.6	20	19.72	98	99	70-124	1	30
Isopropylbenzene	20	20.69	20	20.4	103	102	80-120	1	30
p-Isopropyltoluene	20	20.1	20	19.99	100	100	76-120	1	30
Methyl Tertiary Butyl Ether	20	19.2	20	19.29	96	96	75-120	0	30
Methylene Chloride	20	20.95	20	20.57	105	103	80-120	2	30
Naphthalene	20	17.92	20	18.14	90	91	59-120	1	30
n-Propylbenzene	20	20.51	20	20.3	103	101	79-121	1	30
1,1,2,2-Tetrachloroethane	20	18.41	20	18.32	92	92	72-120	0	30
Tetrachloroethene	20	21.77	20	21.07	109	105	80-129	3	30
Toluene	20	20.69	20	20.43	103	102	80-120	1	30
1,1,1-Trichloroethane	20	19.96	20	19.63	100	98	67-120	2	30
1,1,2-Trichloroethane	20	20.64	20	20.41	103	102	80-120	1	30
Trichloroethene	20	21.07	20	20.49	105	102	80-120	3	30
Trichlorofluoromethane	20	22.61	20	22.03	113	110	52-143	3	30
1,2,4-Trimethylbenzene	20	20.02	20	19.83	100	99	75-120	1	30
1,3,5-Trimethylbenzene	20	19.93	20	19.78	100	99	75-120	1	30
Vinyl Chloride	20	20.72	20	20.07	104	100	63-121	3	30
Xylene (Total)	60	61.69	60	61.28	103	102	80-120	1	30

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: VOCs 8260 Kleinfelder Full  
Batch number: Y172541AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9189318	102	104	98	92
9189319	100	101	97	92
9189320	101	102	98	92
9189321	101	102	98	92
9189322	101	103	98	92
Blank	100	103	98	93
LCS	100	103	100	97
LCSD	99	100	99	97
Limits:	80-120	80-120	80-120	80-120

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



Lancaster Laboratories  
Environmental

# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/12/2017 19:18

Group Number: 1845584

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152  
 Group #: 1845584 Sample #: 9189318-22

Client: Fairfax Petroleum	Acct. #:				Matrix			Analyses Requested						For Lab Use Only		
Project Name#: 26140	PWSID #:				Portable	NPDES		Preservation Codes						FSC: _____		
Project Manager: Mark C. Steele	P.O. #:	51141-318064						H	H						SCR#: _____	
Sampler: Evan McMullen	Quote #:														Preservation Codes H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other	
Name of State where samples were collected: Virginia															Remarks	
Sample Identification			Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Full List VOCs (8260)	BTEX + OXY (8260)				Temperature of samples upon receipt (if required)
MW-16D(95)	9/1/17	0838	X				X			3	X					
MW-9	9/1/17	0920	X				X			3	X					
MW-11	9/1/17	0728	X				X			3	X					
PW-1 (65)	9/1/17	0935	X				X			3	X					
MW-1R	9/1/17	0735	X				X			3	X					
Turnaround Time Requested (TAT) (please circle)	Normal	Rush				Relinquished by:			Date	Time	Received by:	Date	Time			
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)						<i>G.M. Mc</i>			9/1/17	1300	<i>Cecile room</i>	9/1	1300			
Date results are needed:						<i>D. Weller</i>			9/1/17	135	<i>D. Weller</i>	9/1/17	135			
Rush results requested by (please circle): Phone Fax E-mail						<i>John Schaefer</i>			9-1-17	1212						
Phone #: _____ Fax #: _____						Relinquished by:			Date	Time	Received by:	Date	Time			
E-mail address: _____						<i>John Schaefer</i>										
Data Package Options (please circle if required)			SDG Complete?			Relinquished by:			Date	Time	Received by:	Date	Time			
Type I (validation/NJ reg)	TX-TRRP-13		Yes No			<i>John Schaefer</i>										
Type II (Tier II)	MA MCP	CT RCP				Relinquished by:			Date	Time	Received by:	Date	Time			
Type III (Reduced NJ)			State-specific QC (MS/MSD/Dup)? Yes No			<i>John Schaefer</i>										
Type IV (CLP SOW)			(If yes, indicated QC sample and submit triplecate volume)			Relinquished by:			Date	Time	Received by:	Date	Time			
Type VI (Raw Data Only)			Internal COC required? Yes No			<i>John Schaefer</i>										

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client



Group Number(s): 1845584

Client: Kleinfelder**Delivery and Receipt Information**

Delivery Method:	<u>ELLE Courier</u>	Arrival Timestamp:	<u>09/01/2017 17:12</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>3</u>
State/Province of Origin:	<u>VA</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace $\geq$ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Simon Nies (25112) at 17:43 on 09/01/2017***Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	3.1	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	non-detect
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

# Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

## **APPENDIX B**

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### **Lancaster Laboratories Analysis Reports – Groundwater Recover System Samples**

**ANALYTICAL RESULTS**

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Report Date: July 13, 2017

**Project: Fairfax 26140**

Submittal Date: 07/07/2017  
Group Number: 1822575  
PO Number: 51141-318064  
State of Sample Origin: VA

Client Sample Description

Influent Grab Water  
Air Stripper Effluent Grab Water  
LGAC1 Effluent Grab Water  
LGAC2 Effluent Grab Water  
LGAC3 Effluent Grab Water

## Lancaster Labs

(LL) #
9091382
9091383
9091384
9091385
9091386

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Kleinfelder  
Electronic Copy To Kleinfelder  
Electronic Copy To Kleinfelder  
Electronic Copy To Kleinfelder  
Electronic Copy To Kleinfelder

Attn: Paxton Wertz  
Attn: Nathan Stevens  
Attn: Jennifer Kozak  
Attn: Venelda Williams  
Attn: Mark Steele



Lancaster Laboratories  
Environmental

## **Analysis Report**

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • [www.LancasterLabs.com](http://www.LancasterLabs.com)

Respectfully Submitted,

Amek Carter  
Specialist

(717) 556-7252



**Sample Description:** Influent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

LL Sample # WW 9091382  
LL Group # 1822575  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 07/06/2017 10:40 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 07/07/2017 16:58

Reported: 07/13/2017 15:38

GFVIN

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B ug/l ug/l</b>					
10335	Benzene	71-43-2	< 2	2	2
10335	Carbon Tetrachloride	56-23-5	< 2	2	2
10335	Chlorobenzene	108-90-7	< 2	2	2
10335	Chloroethane	75-00-3	< 2	2	2
10335	Chloroform	67-66-3	< 2	2	2
10335	1,2-Dichlorobenzene	95-50-1	< 10	10	2
10335	1,1-Dichloroethane	75-34-3	< 2	2	2
10335	1,2-Dichloroethane	107-06-2	< 2	2	2
10335	1,1-Dichloroethene	75-35-4	< 2	2	2
10335	cis-1,2-Dichloroethene	156-59-2	43	2	2
10335	trans-1,2-Dichloroethene	156-60-5	< 2	2	2
10335	Ethylbenzene	100-41-4	< 2	2	2
10335	Methyl Tertiary Butyl Ether	1634-04-4	1,200	20	20
10335	Methylene Chloride	75-09-2	< 8	8	2
10335	Tetrachloroethene	127-18-4	12	2	2
10335	Toluene	108-88-3	< 2	2	2
10335	1,1,1-Trichloroethane	71-55-6	< 2	2	2
10335	1,1,2-Trichloroethane	79-00-5	< 2	2	2
10335	Trichloroethene	79-01-6	< 2	2	2
10335	Trichlorofluoromethane	75-69-4	< 2	2	2
10335	Vinyl Chloride	75-01-4	< 2	2	2
10335	Xylene (Total)	1330-20-7	< 2	2	2

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VPDES VOCs 8260	SW-846 8260B	1	4171932AA	07/13/2017 04:06	Patrick T Herres	2
10335	VPDES VOCs 8260	SW-846 8260B	1	4171932AA	07/13/2017 04:29	Patrick T Herres	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4171932AA	07/13/2017 04:06	Patrick T Herres	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	4171932AA	07/13/2017 04:29	Patrick T Herres	20



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**Sample Description:** Air Stripper Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

LL Sample # WW 9091383  
LL Group # 1822575  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 07/06/2017 10:43 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 07/07/2017 16:58

Reported: 07/13/2017 15:38

GFVAE

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Benzene	71-43-2	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	50	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 BTEX, MTBE	SW-846 8260B	1	4171932AA	07/13/2017 04:52	Patrick T Herres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4171932AA	07/13/2017 04:52	Patrick T Herres	1



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Sample Description: LGAC1 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

LL Sample # WW 9091384  
LL Group # 1822575  
Account # 12152

Project Name: Fairfax 26140

Collected: 07/06/2017 10:46 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 07/07/2017 16:58

Reported: 07/13/2017 15:38

GFVL1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Benzene	71-43-2	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	4	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 BTEX, MTBE	SW-846 8260B	1	4171932AA	07/13/2017 05:14	Patrick T Herres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4171932AA	07/13/2017 05:14	Patrick T Herres	1



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**Sample Description:** LGAC2 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

LL Sample # WW 9091385  
LL Group # 1822575  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 07/06/2017 10:49 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 07/07/2017 16:58

Reported: 07/13/2017 15:38

GFVL2

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Benzene	71-43-2	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 BTEX, MTBE	SW-846 8260B	1	4171932AA	07/13/2017 05:37	Patrick T Herres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4171932AA	07/13/2017 05:37	Patrick T Herres	1



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**Sample Description:** LGAC3 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

LL Sample # WW 9091386  
LL Group # 1822575  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 07/06/2017 10:52 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 07/07/2017 16:58

Reported: 07/13/2017 15:38

GFVL3

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Benzene	71-43-2	< 1	1	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	Chloroform	67-66-3	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VPDES VOCs 8260	SW-846 8260B	1	4171932AA	07/13/2017 06:00	Patrick T Herres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4171932AA	07/13/2017 06:00	Patrick T Herres	1

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 07/13/2017 15:38

Group Number: 1822575

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: 4171932AA		
Benzene	< 1	1
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
Chloroform	< 1	1
1,2-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 1	1
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 4	4
Tetrachloroethene	< 1	1
Toluene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
Vinyl Chloride	< 1	1
Xylene (Total)	< 1	1

### LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 4171932AA									
Benzene	20	20.66	20	20.5	103	102	78-120	1	30
Carbon Tetrachloride	20	20.55	20	19.93	103	100	76-123	3	30
Chlorobenzene	20	20.83	20	20.14	104	101	80-120	3	30
Chloroethane	20	17.18	20	17.1	86	86	51-121	0	30
Chloroform	20	20.76	20	20.35	104	102	80-120	2	30
1,2-Dichlorobenzene	20	20.05	20	19.88	100	99	80-120	1	30
1,1-Dichloroethane	20	20.75	20	20.35	104	102	80-120	2	30
1,2-Dichloroethane	20	20.62	20	20.34	103	102	66-128	1	30

\* Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 07/13/2017 15:38

Group Number: 1822575

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1-Dichloroethene	20	22.02	20	21.77	110	109	76-124	1	30
cis-1,2-Dichloroethene	20	21.09	20	20.92	105	105	80-120	1	30
trans-1,2-Dichloroethene	20	21.19	20	21.14	106	106	80-120	0	30
Ethylbenzene	20	21.17	20	20.87	106	104	78-120	1	30
Methyl Tertiary Butyl Ether	20	19.98	20	19.95	100	100	75-120	0	30
Methylene Chloride	20	20.94	20	20.58	105	103	80-120	2	30
Tetrachloroethene	20	19.5	20	19.03	97	95	80-129	2	30
Toluene	20	21.05	20	20.41	105	102	80-120	3	30
1,1,1-Trichloroethane	20	18.39	20	17.97	92	90	67-120	2	30
1,1,2-Trichloroethane	20	20.96	20	20.3	105	102	80-120	3	30
Trichloroethene	20	20.49	20	20.07	102	100	80-120	2	30
Trichlorofluoromethane	20	19.2	20	18.85	96	94	57-134	2	30
Vinyl Chloride	20	18.4	20	18.28	92	91	63-121	1	30
Xylene (Total)	60	62.46	60	61.59	104	103	80-120	1	30

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VPDES VOCs 8260

Batch number: 4171932AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9091382	98	101	99	98
9091383	102	103	99	97
9091384	102	104	100	96
9091385	104	102	100	97
9091386	103	101	99	96
Blank	99	100	100	98
LCS	98	100	102	99
LCSD	99	101	101	100
Limits:	80-116	77-113	80-113	78-113

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## **Analysis Request/Environmental Services Chain of Custody**

For Lancaster Laboratories use only Acct. #: 1115C  
Group #: 1822575 Sample #: 9091382-86

Client: Fairfax Petroleum	Acct. #:				Matrix			Analyses Requested								For Lab Use Only	
Project Name/#: Great Falls	PWSID #:							Preservation Codes								FSC: _____	
Project Manager: Mark C. Steele	P.O. #:	51141-318064													SCR#: _____		
Sampler: Evan McMullen	Quote #:														Preservation Codes		
Name of State where samples were collected: Virginia															H=HCl T=Thiosulfate N=NNO <sub>3</sub> B=NaOH S=H <sub>2</sub> SO <sub>4</sub> O=Other		
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX/MTBE (8260)	26140 VPDES List						Remarks
Influent	7/6/17	1040	X			X			3		X						
Air Stripper Effluent	7/6/17	1043	X			X			3		X						
LGAC1 Effluent	7/6/17	1046	X			X			3		X						
LGAC2 Effluent	7/6/17	1049	X			X			3		X						
LGAC3 Effluent	7/6/17	1052	X			X			3		X						
Turnaround Time Requested (TAT) (please circle):	Normal	Rush							Relinquished by:		Date	Time	Received by:	Date	Time		
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)								<i>E.M. Mc</i>		7/6/17	1400	<i>cooler room</i>	7/6/17	1400			
Date results are needed:								Relinquished by:		Date	Time	Received by:	Date	Time			
Rush results requested by (please circle): Phone Fax					<i>V. Miller</i>			Relinquished by:		7/7/17	1256	<i>J. Miller</i>	7/7/17	1256			
Phone #: _____ Fax #: _____								Relinquished by:		Date	Time	Received by:	Date	Time			
E-mail address: mcsteele@kleinfelder.com								<i>J. Miller</i>		7-7-17	1658						
Data Package Options (please circle if required)		SDG Complete?						Relinquished by:		Date	Time	Received by:	Date	Time			
Type I (validation/NJ reg)	TX-TRRP-13			Yes	No												
Type II (Tier II)	MA MCP	CT RCP							Relinquished by:		Date	Time	Received by:	Date	Time		
Type III (Reduced NJ)				State-specific QC (MS/MSD/Dup)? Yes No						Relinquished by:		Date	Time	Received by:	Date	Time	
Type IV (CLP SOW)				(If yes, indicate QC sample and submit triplecate volume)						Relinquished by:		Date	Time	Received by:	Date	Time	
Type VI (Raw Data Only)				Internal COC required? Yes No						Relinquished by:		Date	Time	Received by:	Date	Time	
Temperature of samples upon receipt (if requested)																	

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client



Group Number(s): 1822575

Client: KLEINFELDER**Delivery and Receipt Information**

Delivery Method:	<u>ELLE Courier</u>	Arrival Timestamp:	<u>07/07/2017 16:58</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>VA</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Karen Diem (3060) at 17:16 on 07/07/2017

**Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-02	2.6	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfs</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	none detected
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m³</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

**ANALYTICAL RESULTS**

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Report Date: July 24, 2017

**Project: Fairfax 26140**

Submittal Date: 07/19/2017  
Group Number: 1827339  
PO Number: 51141-318064  
State of Sample Origin: VA

Client Sample Description

Influent Grab Water  
Air Stripper Effluent Grab Water  
LGAC1 Effluent Grab Water  
LGAC2 Effluent Grab Water  
LGAC3 Effluent Grab Water

## Lancaster Labs

	(LL) #
Influent Grab Water	9110732
Air Stripper Effluent Grab Water	9110733
LGAC1 Effluent Grab Water	9110734
LGAC2 Effluent Grab Water	9110735
LGAC3 Effluent Grab Water	9110736

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder

Attn: Nathan Stevens  
Attn: Paxton Wertz  
Attn: Jennifer Kozak  
Attn: Venelda Williams  
Attn: Mark Steele



Lancaster Laboratories  
Environmental

## **Analysis Report**

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • [www.LancasterLabs.com](http://www.LancasterLabs.com)

Respectfully Submitted,



Amek Carter  
Specialist

(717) 556-7252



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

**Sample Description:** Influent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

LL Sample # WW 9110732  
LL Group # 1827339  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 07/19/2017 11:35 by EM

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 07/19/2017 17:55

Reported: 07/24/2017 20:09

GF-IN

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	< 2	2	2
10945	Ethylbenzene	100-41-4	< 2	2	2
10945	Methyl Tertiary Butyl Ether	1634-04-4	1,200	2	2
10945	Toluene	108-88-3	< 2	2	2
10945	Xylene (Total)	1330-20-7	< 2	2	2

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172022AA	07/21/2017 12:24	Anthony H Downey	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172022AA	07/21/2017 12:24	Anthony H Downey	2



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**Sample Description:** Air Stripper Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

LL Sample # WW 9110733  
LL Group # 1827339  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 07/19/2017 11:30 by EM

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 07/19/2017 17:55

Reported: 07/24/2017 20:09

GF-AE

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	39	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172022AA	07/21/2017 11:18	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172022AA	07/21/2017 11:18	Anthony H Downey	1



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Sample Description: LGAC1 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

LL Sample # WW 9110734  
LL Group # 1827339  
Account # 12152

Project Name: Fairfax 26140

Collected: 07/19/2017 11:25 by EM

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 07/19/2017 17:55

Reported: 07/24/2017 20:09

GF-L1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	2	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172022AA	07/21/2017 12:46	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172022AA	07/21/2017 12:46	Anthony H Downey	1



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**Sample Description:** LGAC2 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

LL Sample # WW 9110735  
LL Group # 1827339  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 07/19/2017 11:20 by EM

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 07/19/2017 17:55

Reported: 07/24/2017 20:09

GF-L2

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172022AA	07/21/2017 11:40	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172022AA	07/21/2017 11:40	Anthony H Downey	1



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**Sample Description:** LGAC3 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

LL Sample # WW 9110736  
LL Group # 1827339  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 07/19/2017 11:15 by EM

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 07/19/2017 17:55

Reported: 07/24/2017 20:09

GF-L3

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172021AA	07/21/2017 18:26	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172021AA	07/21/2017 18:26	Anthony H Downey	1

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 07/24/2017 20:09

Group Number: 1827339

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: F172021AA	Sample number(s): 9110736	
Benzene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 1	1
Batch number: F172022AA	Sample number(s): 9110732-9110735	
Benzene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 1	1

### LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Max
Batch number: F172021AA	Sample number(s): 9110736							
Benzene	20	19.4			97		78-120	
Ethylbenzene	20	19.11			96		78-120	
Methyl Tertiary Butyl Ether	20	19.33			97		75-120	
Toluene	20	19.69			98		80-120	
Xylene (Total)	60	56.88			95		80-120	
Batch number: F172022AA	Sample number(s): 9110732-9110735							
Benzene	20	19.62			98		78-120	
Ethylbenzene	20	19.68			98		78-120	
Methyl Tertiary Butyl Ether	20	21.07			105		75-120	
Toluene	20	20.25			101		80-120	
Xylene (Total)	60	59.27			99		80-120	

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 07/24/2017 20:09

Group Number: 1827339

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: F172021AA Sample number(s): 9110736 UNSPK: P107990										
Benzene	< 1	20	21.26	20	21.29	106	106	78-120	0	30
Ethylbenzene	< 1	20	20.97	20	21.21	105	106	78-120	1	30
Methyl Tertiary Butyl Ether	< 1	20	19.89	20	19.73	99	99	75-120	1	30
Toluene	< 1	20	21.28	20	21.67	106	108	80-120	2	30
Xylene (Total)	< 1	60	62.28	60	62.33	104	104	80-120	0	30
Batch number: F172022AA Sample number(s): 9110732-9110735 UNSPK: 9110734										
Benzene	< 1	20	20.7	20	21.29	103	106	78-120	3	30
Ethylbenzene	< 1	20	21.04	20	21.54	105	108	78-120	2	30
Methyl Tertiary Butyl Ether	2.14	20	21.66	20	21.83	98	98	75-120	1	30
Toluene	< 1	20	21.55	20	22.09	108	110	80-120	2	30
Xylene (Total)	< 1	60	63.48	60	64.77	106	108	80-120	2	30

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: UST BTEX, MTBE in Water  
Batch number: F172021AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9110736	99	99	99	96
Blank	100	101	100	96
LCS	98	101	101	99
MS	98	100	99	99
MSD	98	100	102	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST BTEX, MTBE in Water  
Batch number: F172022AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9110732	99	98	101	97
9110733	99	100	100	96
9110734	99	97	101	95
9110735	99	98	100	96
Blank	99	101	101	97
LCS	99	99	101	100
MS	98	101	101	100
MSD	99	100	101	100
Limits:	80-116	77-113	80-113	78-113

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



Lancaster Laboratories  
Environmental

# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 07/24/2017 20:09

Group Number: 1827339

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## **Analysis Request/Environmental Services Chain of Custody**

For Lancaster Laboratories use only Acct. #:  
Group #: \_\_\_\_\_ Sample #: 9110732-36  
1827339

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Sample Administration  
Receipt Documentation Log

Doc Log ID: 189247



Group Number(s): 1827339

Client: Kleinfelder

## Delivery and Receipt Information

Delivery Method:	<u>ELLE Courier</u>	Arrival Timestamp:	<u>07/19/2017 17:55</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>2</u>
State/Province of Origin:	<u>VA</u>		

## Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace $\geq$ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Simon Nies (25112) at 18:57 on 07/19/2017

## Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	2.1	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfs</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	none detected
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m³</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



Lancaster Laboratories  
Environmental

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# Analysis Report

## ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Report Date: August 10, 2017

### Project: Great Falls, VA

Account #: 12152  
Group Number: 1834290  
PO Number: 51141-318064  
State of Sample Origin: VA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder

Attn: Jennifer Kozak  
Attn: Venelda Williams  
Attn: Mark Steele

Respectfully Submitted,

Amek Carter  
Specialist

(717) 556-7252

**SAMPLE INFORMATION**

<u>Client Sample Description</u>	<u>Collection Information</u>	<u>ELLE#</u>
Influent Grab Water	08/02/2017 11:55	9139743
Air Stripper Effluent Grab Water	08/02/2017 11:50	9139744
LGAC1 Effluent Grab Water	08/02/2017 11:45	9139745
LGAC2 Effluent Grab Water	08/02/2017 11:40	9139746
LGAC3 Effluent Grab Water	08/02/2017 11:35	9139747

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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**Sample Description:** Influent Grab Water  
Great Falls

ELLE Sample # WW 9139743  
ELLE Group # 1834290  
Account # 12152

**Project Name:** Great Falls, VA

Collected: 08/02/2017 11:55 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/03/2017 15:35

Reported: 08/10/2017 21:05

GF-I-

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Benzene	71-43-2	< 1	1	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	<b>Chloroform</b>	67-66-3	<b>1</b>	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	<b>cis-1,2-Dichloroethene</b>	156-59-2	<b>40</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>810</b>	10	10
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	<b>Tetrachloroethene</b>	127-18-4	<b>15</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	<b>Trichloroethene</b>	79-01-6	<b>2</b>	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VPDES VOCs 8260	SW-846 8260B	1	W172221AA	08/10/2017 15:43	Nicole S Lamoreaux	1
10335	VPDES VOCs 8260	SW-846 8260B	1	W172221AA	08/10/2017 16:07	Nicole S Lamoreaux	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W172221AA	08/10/2017 15:43	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W172221AA	08/10/2017 16:07	Nicole S Lamoreaux	10

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**Sample Description: Air Stripper Effluent Grab Water  
Great Falls**
**ELLE Sample # WW 9139744  
ELLE Group # 1834290  
Account # 12152**
**Project Name: Great Falls, VA**

Collected: 08/02/2017 11:50 by EM

Kleinfelder

 550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/03/2017 15:35

Reported: 08/10/2017 21:05

GF-AS

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	25	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

### Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172212AA	08/09/2017 11:52	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172212AA	08/09/2017 11:52	Anthony H Downey	1

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**Sample Description:** LGAC1 Effluent Grab Water  
Great Falls

 ELLE Sample # WW 9139745  
ELLE Group # 1834290  
Account # 12152

**Project Name:** Great Falls, VA

Collected: 08/02/2017 11:45 by EM

Kleinfelder

 550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/03/2017 15:35

Reported: 08/10/2017 21:05

GF-1E

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

### Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172212AA	08/09/2017 12:14	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172212AA	08/09/2017 12:14	Anthony H Downey	1

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**Sample Description:** LGAC2 Effluent Grab Water  
Great Falls

 ELLE Sample # WW 9139746  
ELLE Group # 1834290  
Account # 12152

**Project Name:** Great Falls, VA

Collected: 08/02/2017 11:40 by EM

Kleinfelder

 550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/03/2017 15:35

Reported: 08/10/2017 21:05

GF-2E

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

### Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172212AA	08/09/2017 12:35	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172212AA	08/09/2017 12:35	Anthony H Downey	1

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**Sample Description:** LGAC3 Effluent Grab Water  
Great Falls

ELLE Sample # WW 9139747  
ELLE Group # 1834290  
Account # 12152

**Project Name:** Great Falls, VA

Collected: 08/02/2017 11:35 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/03/2017 15:35

Reported: 08/10/2017 21:05

GF-3E

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Benzene	71-43-2	< 1	1	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	Chloroform	67-66-3	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VPDES VOCs 8260	SW-846 8260B	1	W172221AA	08/10/2017 13:20	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W172221AA	08/10/2017 13:20	Nicole S Lamoreaux	1

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 08/10/2017 21:05

Group Number: 1834290

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: F172212AA		
Benzene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 1	1
Batch number: W172221AA		
Benzene	< 1	1
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
Chloroform	< 1	1
1,2-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 1	1
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 4	4
Tetrachloroethene	< 1	1
Toluene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
Vinyl Chloride	< 1	1
Xylene (Total)	< 1	1

### LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F172212AA									
Benzene	20	18.46			92		78-120		

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 08/10/2017 21:05

Group Number: 1834290

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethylbenzene	20	17.54			88		78-120		
Methyl Tertiary Butyl Ether	20	19.22			96		75-120		
Toluene	20	18.01			90		80-120		
Xylene (Total)	60	52.77			88		80-120		
Batch number: W172221AA	Sample number(s): 9139743, 9139747								
Benzene	20	18.99	20	18.77	95	94	78-120	1	30
Carbon Tetrachloride	20	16.92	20	16.78	85	84	76-123	1	30
Chlorobenzene	20	19.44	20	19.37	97	97	80-120	0	30
Chloroethane	20	18.51	20	17.97	93	90	51-121	3	30
Chloroform	20	17.7	20	17.57	89	88	80-120	1	30
1,2-Dichlorobenzene	20	19.15	20	18.98	96	95	80-120	1	30
1,1-Dichloroethane	20	18.57	20	18.34	93	92	80-120	1	30
1,2-Dichloroethane	20	16.57	20	16.35	83	82	66-128	1	30
1,1-Dichloroethene	20	19.97	20	19.75	100	99	76-124	1	30
cis-1,2-Dichloroethene	20	20.04	20	19.88	100	99	80-120	1	30
trans-1,2-Dichloroethene	20	20.03	20	19.7	100	99	80-120	2	30
Ethylbenzene	20	18.63	20	18.49	93	92	78-120	1	30
Methyl Tertiary Butyl Ether	20	17.59	20	17.63	88	88	75-120	0	30
Methylene Chloride	20	19.26	20	19.13	96	96	80-120	1	30
Tetrachloroethene	20	19.83	20	19.72	99	99	80-129	1	30
Toluene	20	19.25	20	19.06	96	95	80-120	1	30
1,1,1-Trichloroethane	20	16.53	20	15.99	83	80	67-120	3	30
1,1,2-Trichloroethane	20	19.19	20	19.17	96	96	80-120	0	30
Trichloroethene	20	18.69	20	18.47	93	92	80-120	1	30
Trichlorofluoromethane	20	17.04	20	16.51	85	83	57-134	3	30
Vinyl Chloride	20	18.15	20	17.7	91	88	63-121	2	30
Xylene (Total)	60	56.53	60	56.33	94	94	80-120	0	30

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: F172212AA	Sample number(s): 9139744-9139746 UNSPK: P138078									
Benzene	< 1	20	22.09	20	21.81	110	109	78-120	1	30
Ethylbenzene	< 1	20	20.9	20	20.56	104	103	78-120	2	30
Methyl Tertiary Butyl Ether	1.81	20	23.6	20	23.3	109	107	75-120	1	30
Toluene	< 1	20	21.56	20	21.51	108	108	80-120	0	30
Xylene (Total)	< 1	60	62.05	60	61.23	103	102	80-120	1	30

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

**Quality Control Summary**

Client Name: Kleinfelder  
Reported: 08/10/2017 21:05

Group Number: 1834290

**Surrogate Quality Control**

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: UST BTEX, MTBE in Water  
Batch number: F172212AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9139744	100	101	97	95
9139745	101	103	98	97
9139746	101	100	97	96
Blank	102	99	98	95
LCS	99	104	97	98
MS	100	101	97	98
MSD	99	101	99	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: VPDES VOCs 8260  
Batch number: W172221AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9139743	98	103	97	87
9139747	99	106	97	89
Blank	97	104	98	89
LCS	98	102	99	93
LCSD	97	101	99	93
Limits:	80-116	77-113	80-113	78-113

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152 (A)  
Group #: \_\_\_\_\_ Sample #: \_\_\_\_\_

1834290 / 9139743-47

Client: Fairfax Petroleum	Acct. #:	Matrix						Analyses Requested						For Lab Use Only					
Project Name/#: Great Falls	PWSID #:													Preservation Codes					
Project Manager: Mark C. Steele	P.O. #:	51141-318064												SCR#:					
Sampler: Evan McMullen	Quote #:													Preservation Codes H=HCl T=Thiosulfate N=HN3 B=NaOH S=H2SO4 O=Other					
Name of State where samples were collected: Virginia		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX/MTBE (8260)	26140 VPDES List							Remarks	Temperature of samples upon receipt (if requested)
Sample Identification		8/2/17	1155	X			X		3	X									
Influent		8/2/17	1150	X			X		3	X									
Air Stripper Effluent		8/2/17	1145	X			X		3	X									
LGAC1 Effluent		8/2/17	1140	X			X		3	X									
LGAC2 Effluent		8/2/17	1135	X			X		3	X									
LGAC3 Effluent																			
Turnaround Time Requested (TAT) (please circle): Normal Rush		(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)  Date results are needed:  Rush results requested by (please circle): Phone Fax E-mail  Phone #: _____ Fax #: _____ E-mail address: <u>mcsteele@kleinfelder.com</u>						Relinquished by:	Date <u>8/2/17</u>	Time <u>1330</u>	Received by: <u>Cooler room</u>	Date <u>8/2/17</u>	Time <u>1330</u>						
								Relinquished by:	Date <u>8/3/17</u>	Time <u>1100</u>	Received by: <u>Blur</u>	Date <u>8/2/17</u>	Time <u>1100</u>						
								Relinquished by:	Date <u>8/3/17</u>	Time <u>1510</u>	Received by: <u>Blur</u>	Date <u>8/2/17</u>	Time <u>1510</u>						
								Relinquished by:	Date <u>8/3/17</u>	Time <u>1510</u>	Received by: <u>Blur</u>	Date <u>8/2/17</u>	Time <u>1510</u>						
								Relinquished by:	Date <u>8/3/17</u>	Time <u>1510</u>	Received by: <u>Blur</u>	Date <u>8/2/17</u>	Time <u>1510</u>						
								Relinquished by:	Date <u>8/3/17</u>	Time <u>1510</u>	Received by: <u>Blur</u>	Date <u>8/2/17</u>	Time <u>1510</u>						
Type I (validation/NJ reg)	TX-TRRP-13		SDG Complete?						Yes	No									
Type II (Tier II)	MA MCP	CT RCP																	
Type III (Reduced NJ)			State-specific QC (MS/MSD/Dup)? Yes No																
Type IV (CLP SOW)			(If yes, indicate QC sample and submit triplicate volume)																
Type VI (Raw Data Only)			Internal COC required? Yes No																

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Client: Fairfax Petroleum**Delivery and Receipt Information**

Delivery Method:	<u>ELLE Courier</u>	Arrival Timestamp:	<u>08/03/2017 15:35</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>VA</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Dante Jones (12691) at 16:00 on 08/03/2017***Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT146	0.8	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	non-detect
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

# Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



## ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Report Date: August 23, 2017

**Project: Great Falls, VA**

Account #: 12152  
Group Number: 1838137  
PO Number: 51141-318064  
State of Sample Origin: VA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder

Attn: Jennifer Kozak  
Attn: Venelda Williams  
Attn: Mark Steele

Respectfully Submitted,

Amek Carter  
Specialist

(717) 556-7252

**SAMPLE INFORMATION**

<u>Client Sample Description</u>	<u>Collection Information</u>	<u>ELLE#</u>
Influent Grab Water	08/14/2017 14:05	9157177
Air Stripper Effluent Grab Water	08/14/2017 14:00	9157178
LGAC1 Effluent Grab Water	08/14/2017 13:54	9157179
LGAC2 Effluent Grab Water	08/14/2017 13:51	9157180
LGAC3 Effluent Grab Water	08/14/2017 13:48	9157181

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.



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**Sample Description: Influent Grab Water  
Great Falls****ELLE Sample # WW 9157177  
ELLE Group # 1838137  
Account # 12152****Project Name: Great Falls, VA**

Collected: 08/14/2017 14:05 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/15/2017 17:40

Reported: 08/23/2017 15:21

GFL01

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	< 5	5	5
10945	Ethylbenzene	100-41-4	< 5	5	5
10945	Methyl Tertiary Butyl Ether	1634-04-4	1,200	5	5
10945	Toluene	108-88-3	< 5	5	5
10945	Xylene (Total)	1330-20-7	< 5	5	5

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172322AA	08/21/2017 02:44	Hu Yang	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172322AA	08/21/2017 02:44	Hu Yang	5



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**Sample Description: Air Stripper Effluent Grab Water  
Great Falls****ELLE Sample # WW 9157178  
ELLE Group # 1838137  
Account # 12152****Project Name: Great Falls, VA**

Collected: 08/14/2017 14:00 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/15/2017 17:40

Reported: 08/23/2017 15:21

GFL02

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	36	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172301AA	08/18/2017 10:58	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172301AA	08/18/2017 10:58	Anthony H Downey	1



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Sample Description: LGAC1 Effluent Grab Water  
Great FallsELLE Sample # WW 9157179  
ELLE Group # 1838137  
Account # 12152

Project Name: Great Falls, VA

Collected: 08/14/2017 13:54 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/15/2017 17:40

Reported: 08/23/2017 15:21

GFL03

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	1	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172301AA	08/18/2017 11:20	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172301AA	08/18/2017 11:20	Anthony H Downey	1

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**Sample Description:** LGAC2 Effluent Grab Water  
Great FallsELLE Sample # WW 9157180  
ELLE Group # 1838137  
Account # 12152**Project Name:** Great Falls, VA

Collected: 08/14/2017 13:51 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/15/2017 17:40

Reported: 08/23/2017 15:21

GFL04

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172301AA	08/18/2017 11:41	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172301AA	08/18/2017 11:41	Anthony H Downey	1



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**Sample Description:** LGAC3 Effluent Grab Water  
Great FallsELLE Sample # WW 9157181  
ELLE Group # 1838137  
Account # 12152**Project Name:** Great Falls, VA

Collected: 08/14/2017 13:48 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 08/15/2017 17:40

Reported: 08/23/2017 15:21

GFL05

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	F172301AA	08/18/2017 12:03	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F172301AA	08/18/2017 12:03	Anthony H Downey	1

## Quality Control Summary

Client Name: Kleinfelder  
 Reported: 08/23/2017 15:21

Group Number: 1838137

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: F172301AA	Sample number(s): 9157178-9157181	
Benzene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 1	1
Batch number: F172322AA	Sample number(s): 9157177	
Benzene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 1	1

### LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Max
Batch number: F172301AA	Sample number(s): 9157178-9157181							
Benzene	20	21.25			106		78-120	
Ethylbenzene	20	19.61			98		78-120	
Methyl Tertiary Butyl Ether	20	22.68			113		75-120	
Toluene	20	20.7			103		80-120	
Xylene (Total)	60	59.42			99		80-120	
Batch number: F172322AA	Sample number(s): 9157177							
Benzene	20	20.89			104		78-120	
Ethylbenzene	20	20.12			101		78-120	
Methyl Tertiary Butyl Ether	20	21.22			106		75-120	
Toluene	20	20.98			105		80-120	
Xylene (Total)	60	61.09			102		80-120	

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 08/23/2017 15:21

Group Number: 1838137

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: F172301AA										
Benzene	21.08	20	42.8	20	43.37	109	111	78-120	1	30
Ethylbenzene	741.35	20	731	20	711.41	-51 (2)	-149	78-120	3	30
Methyl Tertiary Butyl Ether	< 1	20	23.32	20	22.55	117	113	75-120	3	30
Toluene	2.86	20	28.47	20	27.97	128*	126*	80-120	2	30
Xylene (Total)	1834.52	60	1827.05	60	1770.07	-11 (2)	-106	80-120	3	30
								(2)		
Batch number: F172322AA										
Benzene	< 1	20	22.68	20	22.18	113	111	78-120	2	30
Ethylbenzene	< 1	20	21.48	20	21.14	107	106	78-120	2	30
Methyl Tertiary Butyl Ether	< 1	20	22.07	20	21.55	110	108	75-120	2	30
Toluene	< 1	20	22.42	20	22.32	112	112	80-120	0	30
Xylene (Total)	< 1	60	64.91	60	64.59	108	108	80-120	0	30

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: UST BTEX, MTBE in Water  
Batch number: F172301AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9157178	100	102	98	92
9157179	97	102	100	93
9157180	102	102	98	93
9157181	111	110	98	93
Blank	103	103	100	92
LCS	100	104	99	97
MS	99	101	112	109
MSD	98	103	112	109
Limits:	80-120	80-120	80-120	80-120

Analysis Name: UST BTEX, MTBE in Water  
Batch number: F172322AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9157177	102	104	96	110
Blank	101	99	97	92

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

**Quality Control Summary**

Client Name: Kleinfelder  
Reported: 08/23/2017 15:21

Group Number: 1838137

**Surrogate Quality Control (continued)**

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: UST BTEX, MTBE in Water  
Batch number: F172322AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
LCS	99	102	99	98
MS	100	100	97	97
MSD	99	101	98	97
Limits:	80-120	80-120	80-120	80-120

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## **Analysis Request/Environmental Services Chain of Custody**

For Lancaster Laboratories use only Acct. #: 12152

Group #:              Sample #:

1838137 9157177-81

Client: Fairfax Petroleum	Acct. #:	Matrix			Analyses Requested						For Lab Use Only						
Project Name/#: Great Falls	PWSID #: 51141-318064				Preservation Codes						FSC: _____						
Project Manager: Mark C. Steele	P.O. #: 51141-318064										SCR#: _____						
Sampler: Evan McMullen	Quote #: _____																
Name of State where samples were collected: Virginia																	
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX/MTBE (8260)	H							Preservation Codes H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H <sub>2</sub> SO4 O=Other
Influent	8/14/17	1405	X		X			3	X								
Air Stripper Effluent	8/14/17	1400	X		X			3	X								
LGAC1 Effluent	8/14/17	1354	X		X			3	X								
LGAC2 Effluent	8/14/17	1351	X		X			3	X								
LGAC3 Effluent	8/14/17	1348	X		X			3	X								
Turnaround Time Requested (TAT) (please circle): Normal Rush								Relinquished by: EMM		Date 8/14/17	Time 1600	Received by: cooler room	Date 8/14	Time 1600			
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)								Relinquished by: Coach Room		Date 8/14/17	Time 1600	Received by: KM	Date 8/14/17	Time 1600			
Date results are needed:								Relinquished by: KM		Date 8/14/17	Time 1740	Received by: KM	Date 8/14/17	Time 1740			
Rush results requested by (please circle): Phone Fax E-mail								Relinquished by: KM		Date 8/14/17	Time 1740	Received by: KM	Date 8/14/17	Time 1740			
Phone #: _____ Fax #: _____								Relinquished by: KM		Date 8/14/17	Time 1740	Received by: KM	Date 8/14/17	Time 1740			
E-mail address: mcsteele@kleinfelder.com								Relinquished by: KM		Date 8/14/17	Time 1740	Received by: KM	Date 8/14/17	Time 1740			
Data Package Options (please circle if required)		SDG Complete?						Relinquished by: KM		Date 8/14/17	Time 1740	Received by: KM	Date 8/14/17	Time 1740			
Type I (validation/NJ reg) TX-TRRP-13		Yes No						Relinquished by: KM		Date 8/14/17	Time 1740	Received by: KM	Date 8/14/17	Time 1740			
Type II (Tier II) MA MCP CT RCP								Relinquished by: KM		Date 8/14/17	Time 1740	Received by: KM	Date 8/14/17	Time 1740			
Type III (Reduced NJ)		State-specific QC (MS/MSD/Dup)? Yes No						Relinquished by: KM		Date 8/14/17	Time 1740	Received by: KM	Date 8/14/17	Time 1740			
Type IV (CLP SOW)		(If yes, indicated QC sample and submit triplecate volume)						Relinquished by: KM		Date 8/14/17	Time 1740	Received by: KM	Date 8/14/17	Time 1740			
Type VI (Raw Data Only)		Internal COC required? Yes No						Relinquished by: KM		Date 8/14/17	Time 1740	Received by: KM	Date 8/14/17	Time 1740			

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Sample Administration  
Receipt Documentation Log

Doc Log ID: 191654



Group Number(s): 1838137

Client: Kleinfelder

## Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 08/15/2017 17:40  
 Number of Packages: 1 Number of Projects: 1  
 State/Province of Origin: VA

## Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace $\geq$ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Simon Nies (25112) at 18:55 on 08/15/2017

## Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	1.2	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	non-detect
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

# Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



## ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Report Date: September 12, 2017

**Project: Fairfax 26140**

Account #: 12152  
Group Number: 1845583  
PO Number: 51141-318064  
State of Sample Origin: VA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To      Kleinfelder  
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Electronic Copy To      Kleinfelder  
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Electronic Copy To      Kleinfelder

Attn: Nathan Stevens  
Attn: Paxton Wertz  
Attn: Jennifer Kozak  
Attn: Venelda Williams  
Attn: Mark Steele

Respectfully Submitted,

Amek Carter  
Specialist

(717) 556-7252

**SAMPLE INFORMATION**

<u>Client Sample Description</u>	<u>Collection Information</u>	<u>ELLE#</u>
Influent Grab Water	09/01/2017 10:10	9189313
Air Stripper Effluent Grab Water	09/01/2017 10:15	9189314
LGAC1 Effluent Grab Water	09/01/2017 10:20	9189315
LGAC2 Effluent Grab Water	09/01/2017 10:25	9189316
LGAC3 Effluent Grab Water	09/01/2017 10:30	9189317

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.



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**Sample Description:** Influent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

ELLE Sample # WW 9189313  
ELLE Group # 1845583  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 10:10 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 22:13

GFINF

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	<b>GC/MS Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Benzene	71-43-2	< 1	1	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	<b>Chloroform</b>	67-66-3	<b>1</b>	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	<b>cis-1,2-Dichloroethene</b>	156-59-2	<b>45</b>	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>800</b>	10	10
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	<b>Tetrachloroethene</b>	127-18-4	<b>18</b>	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	<b>Trichloroethene</b>	79-01-6	<b>2</b>	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 VOCs	SW-846 8260B	1	Y172541AA	09/11/2017 13:31	Jennifer K Howe	1
10335	8260 VOCs	SW-846 8260B	1	Y172541AA	09/11/2017 13:53	Jennifer K Howe	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y172541AA	09/11/2017 13:31	Jennifer K Howe	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y172541AA	09/11/2017 13:53	Jennifer K Howe	10



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**Sample Description:** Air Stripper Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

ELLE Sample # WW 9189314  
ELLE Group # 1845583  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 10:15 by EM

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 22:13

GFASE

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Benzene	71-43-2	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	38	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 BTEX, MTBE	SW-846 8260B	1	P172512AA	09/08/2017 13:46	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P172512AA	09/08/2017 13:46	Daniel H Heller	1



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**Sample Description:** LGAC1 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

ELLE Sample # WW 9189315  
ELLE Group # 1845583  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 10:20 by EM

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 22:13

GFL1E

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Benzene	71-43-2	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 BTEX, MTBE	SW-846 8260B	1	P172512AA	09/08/2017 14:12	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P172512AA	09/08/2017 14:12	Daniel H Heller	1



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**Sample Description:** LGAC2 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

ELLE Sample # WW 9189316  
ELLE Group # 1845583  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 10:25 by EM

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/01/2017 17:12

Reported: 09/12/2017 22:13

GFL2E

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Benzene	71-43-2	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

---

**Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

---

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 BTEX, MTBE	SW-846 8260B	1	P172512AA	09/08/2017 14:37	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P172512AA	09/08/2017 14:37	Daniel H Heller	1



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**Sample Description:** LGAC3 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

ELLE Sample # WW 9189317  
ELLE Group # 1845583  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/01/2017 10:30 by EM

Kleinfelder

Submitted: 09/01/2017 17:12

550 West C Street, Suite 1200  
San Diego CA 92101

Reported: 09/12/2017 22:13

GFL3E

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Benzene	71-43-2	< 1	1	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	Chloroform	67-66-3	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 VOCs	SW-846 8260B	1	Y172541AA	09/11/2017 14:15	Jennifer K Howe	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y172541AA	09/11/2017 14:15	Jennifer K Howe	1

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/12/2017 22:13

Group Number: 1845583

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: P172512AA	Sample number(s): 9189314-9189316	
Benzene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 1	1
Batch number: Y172541AA	Sample number(s): 9189313,9189317	
Benzene	< 1	1
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
Chloroform	< 1	1
1,2-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 1	1
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 4	4
Tetrachloroethene	< 1	1
Toluene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
Vinyl Chloride	< 1	1
Xylene (Total)	< 1	1

### LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: P172512AA		Sample number(s): 9189314-9189316							
Benzene	20	19.93				100		78-120	

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/12/2017 22:13

Group Number: 1845583

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethylbenzene	20	20.93			105		78-120		
Methyl Tertiary Butyl Ether	20	19.65			98		75-120		
Toluene	20	20.87			104		80-120		
Xylene (Total)	60	63.14			105		80-120		
Batch number: Y172541AA	Sample number(s): 9189313, 9189317								
Benzene	20	21.09	20	20.81	105	104	78-120	1	30
Carbon Tetrachloride	20	20.15	20	19.97	101	100	68-128	1	30
Chlorobenzene	20	20.9	20	20.76	105	104	80-120	1	30
Chloroethane	20	20.18	20	20.14	101	101	52-127	0	30
Chloroform	20	21.04	20	20.72	105	104	80-120	2	30
1,2-Dichlorobenzene	20	20.05	20	20.06	100	100	80-120	0	30
1,1-Dichloroethane	20	20.44	20	20.33	102	102	80-120	1	30
1,2-Dichloroethane	20	20.29	20	20.13	101	101	73-124	1	30
1,1-Dichloroethene	20	21.55	20	21.37	108	107	76-124	1	30
cis-1,2-Dichloroethene	20	21.8	20	21.45	109	107	80-120	2	30
trans-1,2-Dichloroethene	20	21.77	20	21.54	109	108	80-120	1	30
Ethylbenzene	20	20.82	20	20.39	104	102	78-120	2	30
Methyl Tertiary Butyl Ether	20	19.2	20	19.29	96	96	75-120	0	30
Methylene Chloride	20	20.95	20	20.57	105	103	80-120	2	30
Tetrachloroethene	20	21.77	20	21.07	109	105	80-129	3	30
Toluene	20	20.69	20	20.43	103	102	80-120	1	30
1,1,1-Trichloroethane	20	19.96	20	19.63	100	98	67-120	2	30
1,1,2-Trichloroethane	20	20.64	20	20.41	103	102	80-120	1	30
Trichloroethene	20	21.07	20	20.49	105	102	80-120	3	30
Trichlorofluoromethane	20	22.61	20	22.03	113	110	52-143	3	30
Vinyl Chloride	20	20.72	20	20.07	104	100	63-121	3	30
Xylene (Total)	60	61.69	60	61.28	103	102	80-120	1	30

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: P172512AA	Sample number(s): 9189314-9189316 UNSPK: P188911									
Benzene	63.35	20	84.91	20	87.67	108	122*	78-120	3	30
Ethylbenzene	127.58	20	140.2	20	145.07	63 (2)	87 (2)	78-120	3	30
Methyl Tertiary Butyl Ether	< 1	20	20.44	20	20.58	102	103	75-120	1	30
Toluene	21.27	20	41.46	20	42.2	101	105	80-120	2	30
Xylene (Total)	323.37	60	363.3	60	376.54	67 (2)	89 (2)	80-120	4	30

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

**Quality Control Summary**

Client Name: Kleinfelder  
Reported: 09/12/2017 22:13

Group Number: 1845583

**Surrogate Quality Control**

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: VOCs 8260 BTEX, MTBE  
Batch number: P172512AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9189314	98	102	112	108
9189315	99	106	110	107
9189316	99	104	111	107
Blank	99	104	111	106
LCS	100	106	104	102
MS	99	108	104	99
MSD	99	106	103	98
Limits:	80-120	80-120	80-120	80-120

Analysis Name: 8260 VOCs  
Batch number: Y172541AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9189313	99	102	98	92
9189317	100	102	98	92
Blank	100	103	98	93
LCS	100	103	100	97
LCSD	99	100	99	97
Limits:	80-120	80-120	80-120	80-120

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## **Analysis Request/Environmental Services Chain of Custody**

For Lancaster Laboratories use only Acct. #: 1252  
Group #: 1845583 Sample #: 9184313-17

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client



Group Number(s): 1445583

Client: Kleinfelder**Delivery and Receipt Information**

Delivery Method: ELLE Courier Arrival Timestamp: 09/01/2017 17:12  
 Number of Packages: 1 Number of Projects: 3  
 State/Province of Origin: VA

**Arrival Condition Summary**

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	No
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Simon Nies (25112) at 17:43 on 09/01/2017***Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	3.1	DT	Wet	Y	Bagged	N

**Sample Date/Time Discrepancy Details**

Sample ID on COC	Date/Time on Label	Comments
Influent	9/01/2017 10:30	
Air Stripper Effluent	9/01/2017 10:25	
LGAC2 Effluent	9/01/2017 10:15	
LGAC3 Effluent	9/01/2017 10:10	

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	non-detect
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

# Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

**ANALYSIS REPORT**

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Report Date: September 27, 2017

**Project: Fairfax 26140**

Account #: 12152  
Group Number: 1852125  
PO Number: 51141-318064  
State of Sample Origin: VA

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder  
Electronic Copy To      Kleinfelder

Attn: Nathan Stevens  
Attn: Paxton Wertz  
Attn: Jennifer Kozak  
Attn: Venelda Williams  
Attn: Mark Steele

Respectfully Submitted,



Amek Carter  
Specialist

(717) 556-7252

**SAMPLE INFORMATION**

<u>Client Sample Description</u>	<u>Collection Information</u>	<u>ELLE#</u>
Influent Grab Water	09/18/2017 11:50	9216305
Air Stripper Effluent Grab Water	09/18/2017 11:45	9216306
LGAC1 Effluent Grab Water	09/18/2017 11:40	9216307
LGAC2 Effluent Grab Water	09/18/2017 11:35	9216308
LGAC3 Effluent Grab Water	09/18/2017 11:30	9216309

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.



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**Sample Description:** Influent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

ELLE Sample # WW 9216305  
ELLE Group # 1852125  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/18/2017 11:50 by PW

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/19/2017 18:50

Reported: 09/27/2017 15:43

GFVIN

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	630	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	Z172652AA	09/22/2017 14:47	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172652AA	09/22/2017 14:47	Anthony H Downey	1



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**Sample Description:** Air Stripper Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

ELLE Sample # WW 9216306  
ELLE Group # 1852125  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/18/2017 11:45 by PW

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/19/2017 18:50

Reported: 09/27/2017 15:43

GFVAE

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	17	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	Z172652AA	09/22/2017 15:11	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172652AA	09/22/2017 15:11	Anthony H Downey	1



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**Sample Description:** LGAC1 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

ELLE Sample # WW 9216307  
ELLE Group # 1852125  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/18/2017 11:40 by PW

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/19/2017 18:50

Reported: 09/27/2017 15:43

GFVL1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	Z172652AA	09/22/2017 15:35	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172652AA	09/22/2017 15:35	Anthony H Downey	1



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**Sample Description:** LGAC2 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

ELLE Sample # WW 9216308  
ELLE Group # 1852125  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/18/2017 11:35 by PW

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/19/2017 18:50

Reported: 09/27/2017 15:43

GFVL2

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	Z172652AA	09/22/2017 15:59	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172652AA	09/22/2017 15:59	Anthony H Downey	1



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**Sample Description:** LGAC3 Effluent Grab Water  
Great Falls, VA  
Fairfax Petroleum 26140

ELLE Sample # WW 9216309  
ELLE Group # 1852125  
Account # 12152

**Project Name:** Fairfax 26140

Collected: 09/18/2017 11:30 by PW

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 09/19/2017 18:50

Reported: 09/27/2017 15:43

GFVL3

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10945	Benzene	71-43-2	< 1	1	1
10945	Ethylbenzene	100-41-4	< 1	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10945	Toluene	108-88-3	< 1	1	1
10945	Xylene (Total)	1330-20-7	< 1	1	1

#### Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	UST BTEX, MTBE in Water	SW-846 8260B	1	Z172681AA	09/25/2017 14:16	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z172681AA	09/25/2017 14:16	Anthony H Downey	1

## Quality Control Summary

Client Name: Kleinfelder  
 Reported: 09/27/2017 15:43

Group Number: 1852125

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: Z172652AA	Sample number(s): 9216305-9216308	
Benzene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 1	1
Batch number: Z172681AA	Sample number(s): 9216309	
Benzene	< 1	1
Ethylbenzene	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 1	1

### LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD Max
Batch number: Z172652AA	Sample number(s): 9216305-9216308							
Benzene	20	18.79			94		78-120	
Ethylbenzene	20	18.16			91		78-120	
Methyl Tertiary Butyl Ether	20	16.95			85		75-120	
Toluene	20	18.73			94		80-120	
Xylene (Total)	60	55.16			92		80-120	
Batch number: Z172681AA	Sample number(s): 9216309							
Benzene	20	18.83			94		78-120	
Ethylbenzene	20	18.2			91		78-120	
Methyl Tertiary Butyl Ether	20	17.35			87		75-120	
Toluene	20	18.86			94		80-120	
Xylene (Total)	60	56.39			94		80-120	

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 09/27/2017 15:43

Group Number: 1852125

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: Z172652AA										
Benzene	50.56	200	269.4	200	268.46	109	109	78-120	0	30
Ethylbenzene	166.02	200	387.23	200	374.89	111	104	78-120	3	30
Methyl Tertiary Butyl Ether	< 10	200	185.59	200	184.22	93	92	75-120	1	30
Toluene	205.79	200	514.76	200	506.54	154*	150*	80-120	2	30
Xylene (Total)	2262.33	600	3095.03	600	2981.63	139*	120	80-120	4	30
Batch number: Z172681AA										
Benzene	< 1	20	21.51	20	22.32	108	112	78-120	4	30
Ethylbenzene	< 1	20	20.73	20	21.66	104	108	78-120	4	30
Methyl Tertiary Butyl Ether	4.18	20	22.42	20	22.88	91	94	75-120	2	30
Toluene	< 1	20	21.41	20	22.36	107	112	80-120	4	30
Xylene (Total)	< 1	60	63.74	60	66.68	106	111	80-120	5	30

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: UST BTEX, MTBE in Water

Batch number: Z172652AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9216305	92	94	99	92
9216306	90	95	99	93
9216307	88	95	99	92
9216308	90	97	100	94
Blank	91	95	99	91
LCS	91	97	99	95
MS	89	97	99	95
MSD	90	96	98	97
Limits:	80-120	80-120	80-120	80-120

Analysis Name: UST BTEX, MTBE in Water

Batch number: Z172681AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9216309	91	96	99	92
Blank	91	94	99	92
LCS	91	98	100	95
MS	91	98	99	95

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

**Quality Control Summary**

Client Name: Kleinfelder  
Reported: 09/27/2017 15:43

Group Number: 1852125

**Surrogate Quality Control (continued)**

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: UST BTEX, MTBE in Water  
Batch number: Z172681AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
MSD	90	97	99	95
Limits:	80-120	80-120	80-120	80-120

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## **Analysis Request/Environmental Services Chain of Custody**

For Lancaster Laboratories use only Acct. #: 1852125 (3)  
Group #: 1852125 Sample #: 9216305-09

Client: Fairfax Petroleum	Acct. #:	Matrix			Analyses Requested							For Lab Use Only					
Project Name/#: Great Falls	PWSID #: 51141-318064				Preservation Codes							FSC: _____					
Project Manager: Mark C. Steele	P.O. #: 51141-318064											SCR#: _____					
Sampler: Paxton Wertz	Quote #: _____				Portable	NPDES											
Name of State where samples were collected: Virginia																	
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX/MTBE (8260)							Remarks	Temperature of samples upon receipt (if requested)
Influent	9/18/2017	1150	X		X												
Air Stripper Effluent	9/18/2017	1145	X		X												
LGAC1 Effluent	9/18/2017	1140	X		X												
LGAC2 Effluent	9/18/2017	1135	X		X												
LGAC3 Effluent	9/18/2017	1130	X		X												
Turnaround Time Requested (TAT) (please circle): Normal Rush	(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)			Relinquished by: <i>[Signature]</i>			Date 9/18/17	Time 1430	Received by: <i>Sample Storage</i>			Date 9/18/17	Time 1430				
Date results are needed:				Relinquished by: <i>Sample storage</i>			Date 9/18/17	Time 1430	Received by: <i>None</i>			Date 9/18/17	Time 1430				
Rush results requested by (please circle): Phone Fax E-mail				Relinquished by: <i>None</i>			Date 9/18/17	Time 1430	Received by: <i>None</i>			Date 9/18/17	Time 1430				
Phone #: _____	Fax #: _____	Data Package Options (please circle if required)			SDG Complete?			Relinquished by: <i>None</i>			Received by: <i>None</i>			Date 9/18/17	Time 1430		
E-mail address: mcsteele@kleinfelder.com	Type I (validation/NJ reg) TX-TRRP-13			Yes No			Relinquished by: <i>None</i>			Received by: <i>None</i>			Date 9/18/17	Time 1430			
Type II (Tier II) MA MCP CT RCP	Type III (Reduced NJ)			State-specific QC (MS/MSD/Dup)? Yes No			Relinquished by: <i>None</i>			Received by: <i>None</i>			Date 9/18/17	Time 1430			
Type IV (CLP SOW)				(If yes, indicate QC sample and submit triplecate volume)			Relinquished by: <i>None</i>			Received by: <i>None</i>			Date 9/18/17	Time 1430			
Type VI (Raw Data Only)				Internal COC required? Yes No			Relinquished by: <i>None</i>			Received by: <i>None</i>			Date 9/18/17	Time 1430			

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

Client: Fairfax Petroleum**Delivery and Receipt Information**

Delivery Method:	<u>ELLE Courier</u>	Arrival Timestamp:	<u>09/19/2017 18:50</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>VA</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Melvin Sanchez (8943) at 19:47 on 09/19/2017*

**Samples Chilled Details**

*Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.*

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT131	2.2	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	non-detect
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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# Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.